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IDENTIFIERS

\*School Mathematics Study Group

ABSTRACT

This is a response booklet for students using SMSG  
high school programed text materials. The response sheets are  
arranged by section and the spaces provided for answers are blocked  
to correspond to blocks of questions in the text. (MF)

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School Mathematics Study Group

Programed First Course in Algebra

Revised Form H

Unit 62

# Programed First Course in Algebra

## Revised Form H

### *Student's Response Booklet*

Prepared under the supervision of the  
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Name \_\_\_\_\_

Date \_\_\_\_\_

1-1. Sets and Subsets

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. A B C (Circle your choice)

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_

21. \_\_\_\_\_

22. \_\_\_\_\_

23. \_\_\_\_\_

24. A B C (Circle your choice)

25. A B C (Circle your choice)

26. A B C (Circle your choice)

27. A B C (Circle your choice)

28. A B C (Circle your choice)

29. A B C (Circle your choice)

30. \_\_\_\_\_

31. \_\_\_\_\_

32. \_\_\_\_\_

33. \_\_\_\_\_

34. \_\_\_\_\_

35. A B C D (Circle your choice)

36. A B (Circle your choice)

\*37. \_\_\_\_\_

\*38. \_\_\_\_\_

\*39. \_\_\_\_\_

\*40. \_\_\_\_\_

\*41. \_\_\_\_\_

\*42. \_\_\_\_\_

\*43. \_\_\_\_\_

Name \_\_\_\_\_

Date \_\_\_\_\_

1-2. The Number Line



2. \_\_\_\_\_

3. \_\_\_\_\_

4. A B C D (Circle one)

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

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10. \_\_\_\_\_

11. \_\_\_\_\_

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20. \_\_\_\_\_

21. \_\_\_\_\_

22. A B C D (Circle one)

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41. \_\_\_\_\_

42. \_\_\_\_\_

43. \_\_\_\_\_

44. \_\_\_\_\_

45. \_\_\_\_\_

46. \_\_\_\_\_ of \_\_\_\_\_

47. \_\_\_\_\_

48. \_\_\_\_\_

49. \_\_\_\_\_

50. \_\_\_\_\_

51.  $\begin{array}{ccccccc} 0 & 1 & 2 & 3 & 4 & 5 \\ & & & & 9 & 5 \\ & & & & 2 & \end{array}$

52. \_\_\_\_\_

53. \_\_\_\_\_

N  $\begin{array}{cccccccc} 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 \end{array}$  ...

54. W  $\begin{array}{cccccccc} 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 \end{array}$  ...

55. \_\_\_\_\_

56. \_\_\_\_\_

57. \_\_\_\_\_

58. \_\_\_\_\_

59. \_\_\_\_\_

60.  $\begin{array}{cccccccc} 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 \end{array}$

61.  $\begin{array}{cccccccccccc} 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 & 11 \end{array}$

62.  $\begin{array}{cccccccccccc} 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 & 11 \end{array}$

$\begin{array}{cccccccc} 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 \end{array}$

63. A B C (Circle one)

64. A B C (Circle one)

66. \_\_\_\_\_  
67. \_\_\_\_\_  
68. \_\_\_\_\_  
69. \_\_\_\_\_  
70. \_\_\_\_\_

71. A 

1	2	3	4	5	6
---	---	---	---	---	---

  
B 

1	2	3	4	5	6
---	---	---	---	---	---

72. \_\_\_\_\_  
73. \_\_\_\_\_

74. \_\_\_\_\_  
75. \_\_\_\_\_  
76. \_\_\_\_\_  
77. \_\_\_\_\_  
78. \_\_\_\_\_  
79. \_\_\_\_\_

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82. \_\_\_\_\_

83. \_\_\_\_\_  
84. \_\_\_\_\_

\*85. \_\_\_\_\_  
\*86. \_\_\_\_\_  
\*87. \_\_\_\_\_  
\*88. \_\_\_\_\_

\*89. \_\_\_\_\_  
\*90. \_\_\_\_\_

\*91. \_\_\_\_\_  
\*92. \_\_\_\_\_  
\*93. \_\_\_\_\_

94. \_\_\_\_\_  
95. \_\_\_\_\_  
96. \_\_\_\_\_  
97. \_\_\_\_\_  
98. \_\_\_\_\_  
99. \_\_\_\_\_

100. A B (Circle one)

101. A B C (Circle one)

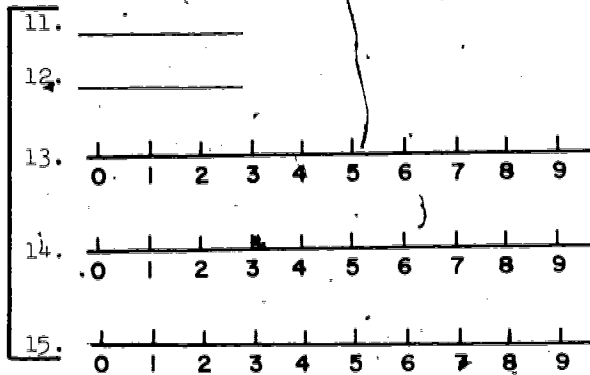
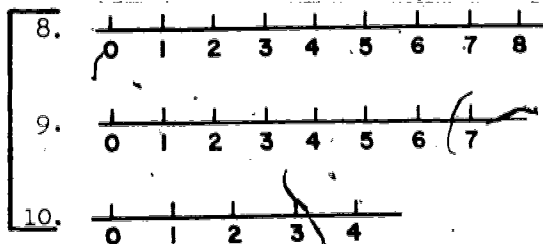
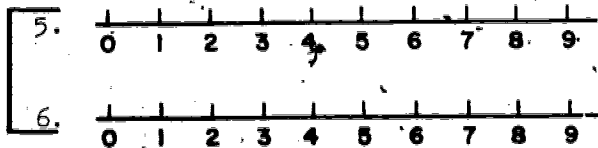


Name \_\_\_\_\_

Date \_\_\_\_\_

1-3. Addition and Multiplication on the Number Line

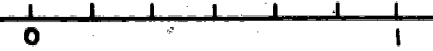
1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_



- \*16. \_\_\_\_\_
- \*17. \_\_\_\_\_

\*18. 

\*19. 

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21. \_\_\_\_\_

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42. \_\_\_\_\_

43. \_\_\_\_\_

Name \_\_\_\_\_

Date \_\_\_\_\_

2-1. Numerals and Numerical Phrases

- |           |                          |
|-----------|--------------------------|
| 1. _____  | 25. _____                |
| 2. _____  | 26. _____                |
| 3. _____  | 27. _____                |
| 4. _____  | 28. _____                |
| 5. _____  | 29. _____                |
| 6. _____  | 30. _____                |
| 7. _____  | 31. _____                |
| 8. _____  | 32. _____                |
| 9. _____  | 33. _____                |
| 10. _____ | 34. _____                |
| 11. _____ | 35. _____                |
| 12. _____ | 36. _____                |
| 13. _____ | 37. _____                |
| 14. _____ | 38. _____                |
| 15. _____ | 39. _____                |
| 16. _____ | 40. _____                |
| 17. _____ | 41. _____                |
| 18. _____ | 42. A B C D (Circle one) |
| 19. _____ | 43. _____                |
| 20. _____ | 44. _____                |
| 21. _____ | 45. _____                |
| 22. _____ | 46. _____                |
| 23. _____ | 47. _____                |
| 24. _____ | 48. _____                |

49. \_\_\_\_\_  
50. \_\_\_\_\_  
51. \_\_\_\_\_  
52. \_\_\_\_\_  
53. \_\_\_\_\_

54. A B C (Circle one)

55. A B (Circle one)

56. \_\_\_\_\_  
57. \_\_\_\_\_  
58. \_\_\_\_\_  
59. \_\_\_\_\_  
60. \_\_\_\_\_  
61. \_\_\_\_\_  
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71. \_\_\_\_\_  
72. \_\_\_\_\_  
73. \_\_\_\_\_

Name \_\_\_\_\_ Date \_\_\_\_\_

2-2. Some Properties of Addition and Multiplication

- |           |                    |
|-----------|--------------------|
| 1. _____  | 25. _____          |
| 2. _____  | 26. _____ of _____ |
| 3. _____  | 27. _____ of _____ |
| 4. _____  | 28. A B C D        |
| 5. _____  | 29. A B C D        |
| 6. _____  | 30. _____          |
| 7. _____  | 31. _____          |
| 8. _____  | 32. _____          |
| 9. _____  | 33. _____          |
| 10. _____ | 34. _____          |
| 11. _____ | 35. _____          |
| 12. _____ | 36. _____          |
| 13. _____ | 37. _____          |
| 14. _____ | 38. _____          |
| 15. _____ | 39. _____          |
| 16. _____ | 40. _____          |
| 17. _____ | 41. _____          |
| 18. _____ | 42. _____          |
| 19. _____ | 43. _____          |
| 20. _____ | 44. _____          |
| 21. _____ |                    |
| 22. _____ |                    |
| 23. _____ |                    |
| 24. _____ |                    |

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76. \_\_\_\_\_

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59. \_\_\_\_\_  
60. \_\_\_\_\_  
61. \_\_\_\_\_  
62. \_\_\_\_\_  
63. \_\_\_\_\_

64. \_\_\_\_\_ property of \_\_\_\_\_  
65. \_\_\_\_\_ property of \_\_\_\_\_  
66. \_\_\_\_\_ property of \_\_\_\_\_  
67. \_\_\_\_\_ property of \_\_\_\_\_  
68. \_\_\_\_\_ property of \_\_\_\_\_  
69. \_\_\_\_\_ property of \_\_\_\_\_

Name \_\_\_\_\_

Date \_\_\_\_\_

2-3. The Distributive Property

1. \_\_\_\_\_

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42. \_\_\_\_\_

43. \_\_\_\_\_

44. \_\_\_\_\_

45. \_\_\_\_\_

46. \_\_\_\_\_

47. \_\_\_\_\_

23. A B

48. \_\_\_\_\_  
49. \_\_\_\_\_  
50. \_\_\_\_\_  
51. \_\_\_\_\_  
52. \_\_\_\_\_

53. \_\_\_\_\_  
54. \_\_\_\_\_  
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62. \_\_\_\_\_  
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64. \_\_\_\_\_  
65. \_\_\_\_\_  
66. \_\_\_\_\_  
67. \_\_\_\_\_

68. A B C

69. \_\_\_\_\_  
70. \_\_\_\_\_  
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99. \_\_\_\_\_  
100. \_\_\_\_\_  
101. \_\_\_\_\_

102. \_\_\_\_\_  
103. \_\_\_\_\_  
104. \_\_\_\_\_  
105. \_\_\_\_\_  
106. \_\_\_\_\_  
107. \_\_\_\_\_



Name \_\_\_\_\_ Date \_\_\_\_\_

2-4. Variables

1. _____	23. _____
2. _____	24. _____
	25. _____
3. _____	26. _____
4. _____	27. _____
5. _____	28. _____
6. _____	29. _____
7. _____	30. _____
8. _____	31. _____
	32. _____
9. _____	33. _____
10. _____	
11. _____	34. _____
12. _____	35. _____
13. _____	36. _____
14. _____	37. _____
15. _____	38. _____
16. _____	39. _____
17. _____	40. _____
18. _____	41. _____
19. _____	42. _____
20. _____	
21. _____	
22. _____	

43. \_\_\_\_\_  
44. \_\_\_\_\_  
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46. \_\_\_\_\_  
47. \_\_\_\_\_  
48. \_\_\_\_\_

49. \_\_\_\_\_  
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51. \_\_\_\_\_  
52. \_\_\_\_\_  
53. \_\_\_\_\_

54. \_\_\_\_\_  
55. \_\_\_\_\_  
56. \_\_\_\_\_  
57. \_\_\_\_\_  
58. \_\_\_\_\_

59. \_\_\_\_\_  
60. \_\_\_\_\_  
61. \_\_\_\_\_  
62. \_\_\_\_\_

Name \_\_\_\_\_ Date \_\_\_\_\_

3-1. Open Sentences

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_

6. \_\_\_\_\_  
7. \_\_\_\_\_  
8. \_\_\_\_\_  
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11. \_\_\_\_\_

12. \_\_\_\_\_  
13. \_\_\_\_\_  
14. \_\_\_\_\_  
15. \_\_\_\_\_

16. A B C D E

17. \_\_\_\_\_  
18. \_\_\_\_\_  
19. \_\_\_\_\_  
20. \_\_\_\_\_  
21. \_\_\_\_\_  
22. \_\_\_\_\_

23. A B C D

24. A B C

25. \_\_\_\_\_  
26. \_\_\_\_\_  
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43. \_\_\_\_\_

44. \_\_\_\_\_  
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46. \_\_\_\_\_  
47. \_\_\_\_\_  
48. \_\_\_\_\_

49. A B

50.	_____
51.	_____
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53.	_____
54.	_____
55.	_____
56.	_____
57.	_____
58.	_____
59.	_____

60. \_\_\_\_\_

61.	_____
62.	_____
63.	_____
64.	_____
65.	_____
66.	_____
67.	_____
68.	_____
69.	_____
70.	_____

71.	_____
72.	_____
73.	_____

Name \_\_\_\_\_ Date \_\_\_\_\_

3-2. Truth Sets of Open Sentences

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
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13. \_\_\_\_\_
14. \_\_\_\_\_
15. \_\_\_\_\_
16. \_\_\_\_\_

17. A B C

18. \_\_\_\_\_
19. \_\_\_\_\_
20. \_\_\_\_\_
21. \_\_\_\_\_
22. \_\_\_\_\_
23. \_\_\_\_\_

24. A B

25. Open sentence:

\_\_\_\_\_

Truth set: \_\_\_\_\_

Answer: \_\_\_\_\_

26. Open sentence:

\_\_\_\_\_

Truth set: \_\_\_\_\_

Answer: \_\_\_\_\_

27. Open sentence:

\_\_\_\_\_

Truth set: \_\_\_\_\_

Answer: \_\_\_\_\_

28. Open sentence:

\_\_\_\_\_

Truth set: \_\_\_\_\_

Answer: \_\_\_\_\_

29. \_\_\_\_\_

30. 

0	1	2	3	4	5
---	---	---	---	---	---

31. \_\_\_\_\_

32. 

0	1	2	3	4	5
---	---	---	---	---	---

33. 

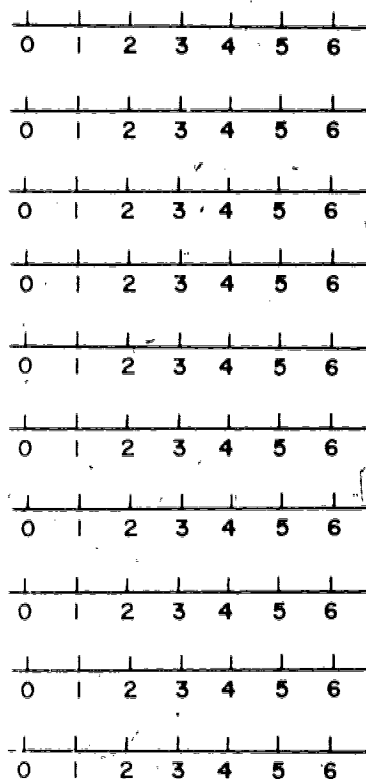
0	1	2	3	4	5
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34. \_\_\_\_\_

35. A B C D

Truth Set


Graph



Name \_\_\_\_\_ Date \_\_\_\_\_

Sentence Punctuation Worksheet

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
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61. \_\_\_\_\_

62. 

0	1	2	3	4	5	6	7
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 63. 

0	1	2	3	4	5	6	7
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 64. 

0	1	2	3	4	5	6	7
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 65. 

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 66. 

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 67. 

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 68. 

0	1	2	3	4	5	6	7
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 69. 

0	1	2	3	4	5	6	7
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 70. 

0	1	2	3	4	5	6	7
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 71. 

0	1	2	3	4	5	6	7
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 72. 

0	1	2	3	4	5	6	7
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 73. 

0	1	2	3	4	5	6	7
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 74. 

0	1	2	3	4	5	6	7
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 75. 

0	1	2	3	4	5	6	7
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76. \_\_\_\_\_  
 77. \_\_\_\_\_



Name \_\_\_\_\_

Date \_\_\_\_\_

3-4. Compound Sentences

1. A B C D

- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_

7. A B C

- 8. \_\_\_\_\_
- 9. \_\_\_\_\_
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- 12. \_\_\_\_\_

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- 25. \_\_\_\_\_
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28. A B

- 29. \_\_\_\_\_
- 30. \_\_\_\_\_
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- 42. \_\_\_\_\_

- 43. 

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- 44. 

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- 45. 

0	1	2	3	4	5	6	7
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46. \_\_\_\_\_

47. 

0	1	2	3	4	5	6
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48. 

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49. 

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78. 

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79. 

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80. 

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81. \_\_\_\_\_

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83. \_\_\_\_\_

84. \_\_\_\_\_

Name \_\_\_\_\_

Date \_\_\_\_\_

4-1. Identity Elements

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A E C

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Name \_\_\_\_\_

Date \_\_\_\_\_

4-2. Closure

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17. A B C D

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29. A B C D

30. A B C

Name \_\_\_\_\_

Date \_\_\_\_\_

4-3. Associative and Commutative Properties of Addition and Multiplication

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37. A B C
38. A B C B
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\*76. A B

Name \_\_\_\_\_ Date \_\_\_\_\_

4-4. The Distributive Property

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10. A B

11. A B

12. A B

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Name \_\_\_\_\_

Date \_\_\_\_\_

4-4. Continued

107. \_\_\_\_\_

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115. A B C

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Name \_\_\_\_\_

Date \_\_\_\_\_

5-1. English and Mathematical Language

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8. A B

9. A B

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23. A B C

24. A B C

25. A B C

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Name \_\_\_\_\_

Date \_\_\_\_\_

5-2. English Phrases and Open Phrases

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13. \_\_\_\_\_

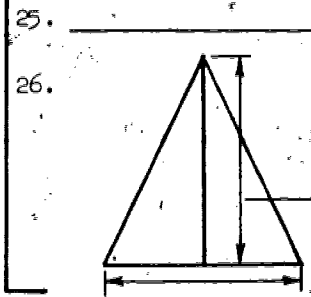
14. A B

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58. (a) \_\_\_\_\_

(b) \_\_\_\_\_

(c) \_\_\_\_\_

(d) \_\_\_\_\_

59. \_\_\_\_\_

(a) \_\_\_\_\_

(b) \_\_\_\_\_

60. \_\_\_\_\_

\*61. \_\_\_\_\_

Name \_\_\_\_\_

Date \_\_\_\_\_

5-3. Interpreting Open Sentences

1. \_\_\_\_\_

2. \_\_\_\_\_ , \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_ or \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

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10. A B C

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17. A B

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Name \_\_\_\_\_

Date \_\_\_\_\_

5-4. Writing Open Sentences

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42. A B

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82. A B C

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Name \_\_\_\_\_ Date \_\_\_\_\_

5-5. Review

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\*62. \_\_\_\_\_

63.  $\frac{\quad}{0 \quad 1 \quad 2 \quad 3}$   
 64.  $\frac{\quad}{0 \quad 1 \quad 2 \quad 3}$   
 65.  $\frac{\quad}{0 \quad 1 \quad 2 \quad 3}$   
 66.  $\frac{\quad}{0 \quad 1 \quad 2 \quad 3}$   
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 68.  $\frac{\quad}{0 \quad 1 \quad 2 \quad 3}$   
 69.  $\frac{\quad}{0 \quad 1 \quad 2 \quad 3}$   
 70.  $\frac{\quad}{0 \quad 1 \quad 2 \quad 3}$

71.  $\frac{\quad}{0 \quad 1 \quad 2 \quad 3 \quad 4 \quad 5 \quad 6}$   
 72.  $\frac{\quad}{0 \quad 1 \quad 2 \quad 3 \quad 4 \quad 5 \quad 6}$   
 73.  $\frac{\quad}{0 \quad 1 \quad 2 \quad 3 \quad 4 \quad 5 \quad 6}$   
 74.  $\frac{\quad}{0 \quad 1 \quad 2 \quad 3 \quad 4 \quad 5 \quad 6}$   
 75.  $\frac{\quad}{0 \quad 1 \quad 2 \quad 3 \quad 4 \quad 5 \quad 6}$   
 76.  $\frac{\quad}{0 \quad 1 \quad 2 \quad 3 \quad 4 \quad 5 \quad 6}$

77. \_\_\_\_\_  
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Date \_\_\_\_\_

### 6-1. The Real Number Line

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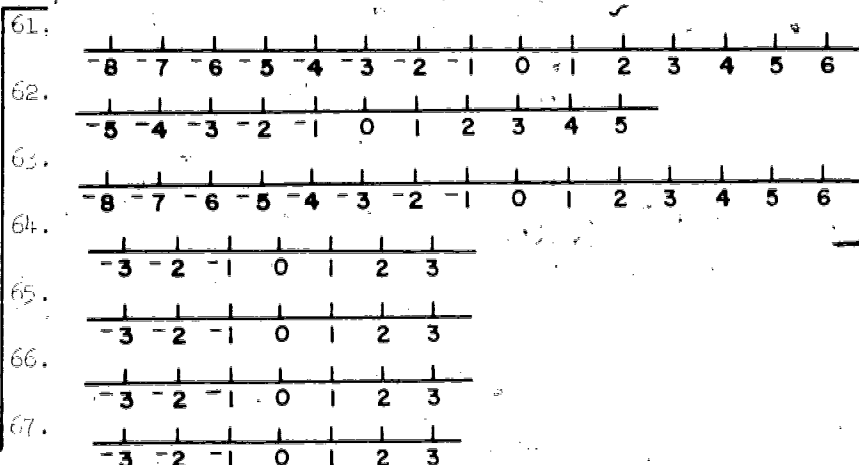
50. A B C

51. \_\_\_\_\_  
 52. \_\_\_\_\_  
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 54. \_\_\_\_\_  
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57. A B C D

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Name \_\_\_\_\_

Date \_\_\_\_\_

6-2. Order on the Real Number Line

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6. A B

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35. \_\_\_\_\_

36. A B

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37. 

-3	-2	-1	0	1	2	3
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38. 

-3	-2	-1	0	1	2	3
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39. 

-3	-2	-1	0	1	2	3
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40. 

-3	-2	-1	0	1	2	3
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41. 

-3	-2	-1	0	1	2	3
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42. 

-3	-2	-1	0	1	2	3
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43. 

-3	-2	-1	0	1	2	3
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44. 

-3	-2	-1	0	1	2	3
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45. 

-3	-2	-1	0	1	2	3
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46. 

-3	-2	-1	0	1	2	3
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47. \_\_\_\_\_  
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60. A B C

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93. \_\_\_\_\_  
94. \_\_\_\_\_  
95. \_\_\_\_\_

96. A B

97. \_\_\_\_\_  
98. \_\_\_\_\_

99. \_\_\_\_\_  
100. \_\_\_\_\_  
101. \_\_\_\_\_

\*102. \_\_\_\_\_  
\*103. \_\_\_\_\_

Name \_\_\_\_\_ Date \_\_\_\_\_

6-3. Opposites

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2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
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49. \_\_\_\_\_  
50. \_\_\_\_\_

51. A B

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53. \_\_\_\_\_

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64. \_\_\_\_\_

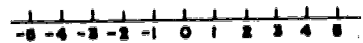

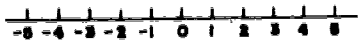

65. \_\_\_\_\_  
66. \_\_\_\_\_

67. \_\_\_\_\_

-3 -2 -1 0 1 2 3

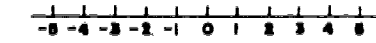
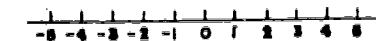
68. \_\_\_\_\_  
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77. \_\_\_\_\_  
78. \_\_\_\_\_  
79. \_\_\_\_\_

80. A B C D

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84. 

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91. \_\_\_\_\_  
92. \_\_\_\_\_

Name \_\_\_\_\_ Date \_\_\_\_\_

6-4. Absolute Value

1. \_\_\_\_\_  
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9. \_\_\_\_\_  
10. \_\_\_\_\_  
11. \_\_\_\_\_

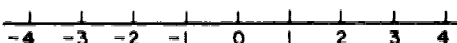
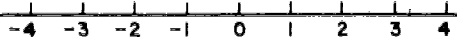
12. \_\_\_\_\_  
13. \_\_\_\_\_  
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19. A B C

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 61. \_\_\_\_\_

62. A B C

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 92. \_\_\_\_\_

-3 -2 -1 0 1 2 3

-3 -2 -1 0 1 2 3

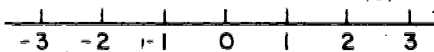
-3 -2 -1 0 1 2 3

100. \_\_\_\_\_

101. \_\_\_\_\_

102. \_\_\_\_\_

103. \_\_\_\_\_



118. A B C D

119. \_\_\_\_\_

120. \_\_\_\_\_

121. A B C D E

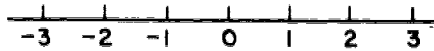
122. A B

104. \_\_\_\_\_

105. \_\_\_\_\_

106. \_\_\_\_\_

107. \_\_\_\_\_

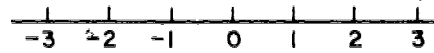


108. \_\_\_\_\_

109. \_\_\_\_\_

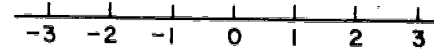
110. \_\_\_\_\_

111. \_\_\_\_\_



112. \_\_\_\_\_

113. \_\_\_\_\_



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115. \_\_\_\_\_

116. \_\_\_\_\_

117. \_\_\_\_\_

Name \_\_\_\_\_

Date \_\_\_\_\_

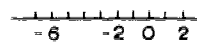
7-1. Addition of Hotel Expenses

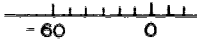
1. _____	11. _____	[ ]
2. _____	12. _____	
3. _____	13. _____	[ ]
4. _____	14. _____	
5. _____	15. _____	[ ]
6. _____	16. _____	
7. _____	17. _____	[ ]
8. _____	18. _____	
9. _____	19. _____	[ ]
10. _____	20. _____	

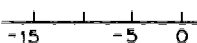
  

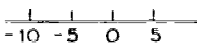
Column 1	Column 2	Column 3
<u>Business</u>	<u>Net Income</u> (by arithmetic)	<u>Net Income</u> (by addition)
Mon.: Profit of \$7	_____	_____
Tues.: Profit of \$7	_____	_____
Wed.: Profit of \$4	_____	_____
Thurs.: Loss of \$1 (Tire trouble)	○ _____	_____
Fri.: Loss of \$1 (Another tire)	○ _____	_____
Sat.: Profit of \$4	○ _____	_____
Sun.: Day of rest	_____	_____
Mon.: Loss of \$1 (cold day)	○ _____	○ _____
Tues.: Loss of \$4 (colder)	○ _____	_____
Wed.: Loss of \$4 (gave up)	○ _____	○ _____

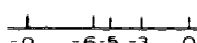
30. \_\_\_\_\_  
 31. \_\_\_\_\_  
 32. \_\_\_\_\_

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 34.   
 35. \_\_\_\_\_

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 37.   
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 44.   
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 48. \_\_\_\_\_

49. \_\_\_\_\_  
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 62. \_\_\_\_\_  
 63. \_\_\_\_\_

64. A B

65. \_\_\_\_\_  
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72. \_\_\_\_\_  
 73. \_\_\_\_\_  
 74. \_\_\_\_\_  
 75. \_\_\_\_\_

76. A B C

Name \_\_\_\_\_ Date \_\_\_\_\_

7-2. Definition of Addition

1. _____	15. _____	25. Write in Panel 7-2.
2. _____	16. _____	26. _____
3. _____	17. _____	27. _____
4. _____	18. _____	28. _____
5. _____	19. _____	29. _____
6. _____	20. _____	30. _____
7. _____	21. _____	31. _____
8. _____	22. _____	32. _____
	23. _____	33. _____
9. _____		34. _____
10. _____	24. _____	
11. _____		35. A B C
12. _____		
13. _____		36. _____
14. _____		37. _____
		38. _____
		39. _____

PANEL 7-2

Definition of Addition for Real Numbers

Part 1. If  $a \geq 0$  and  $b \geq 0$ , then  $a$  and  $b$  are numbers of arithmetic and  $a + b$  has its usual meaning.

Part 2. If  $a < 0$  and  $b < 0$ , then \_\_\_\_\_ (25)

Part 3. If  $a \geq 0$  and  $b < 0$ , and

(a) if  $|a| \geq |b|$ , then \_\_\_\_\_ (33)

(b) if  $|b| > |a|$ , then \_\_\_\_\_ (34)

Part 4. If  $b \geq 0$  and  $a < 0$ , and

(a) if  $|b| \geq |a|$ , then \_\_\_\_\_ (35)

(b) if  $|a| > |b|$ , then \_\_\_\_\_ (36)

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81. \_\_\_\_\_  
82. \_\_\_\_\_  
83. Write in Panel 7-2.  
84. Write in Panel 7-2.  
85. Write in Panel 7-2.  
86. Write in Panel 7-2.  
87. \_\_\_\_\_  
88. \_\_\_\_\_  
89. \_\_\_\_\_

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115. \_\_\_\_\_  
116. \_\_\_\_\_  
117. \_\_\_\_\_

Time \_\_\_\_\_

Date \_\_\_\_\_

**7-3. Properties of Addition**

1. \_\_\_\_\_  
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7. \_\_\_\_\_

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9. \_\_\_\_\_  
10. \_\_\_\_\_  
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31. \_\_\_\_\_

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7-4. Addition and Equality

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Name \_\_\_\_\_

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**7-5. The Additive Inverse**

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Name \_\_\_\_\_

Date \_\_\_\_\_

8-1. Multiplication of Real Numbers

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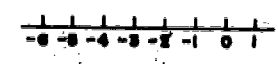
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Name \_\_\_\_\_

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3-2. The Commutative Property and the Multiplication Properties of 1 and 0

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PANEL 8-2

Theorem. If  $a$  is any real number,  
then  $a \cdot 1 = a$ .

Proof.

Case I:  $a$  is non-negative.

If  $a$  is non-negative, then  $a \cdot 1 = a$ , because the

42. \_\_\_\_\_ property of \_\_\_\_\_

43. \_\_\_\_\_ holds for all \_\_\_\_\_ real numbers.

44. Case II:  $a$  is \_\_\_\_\_.

Since  $a$  is negative and  $1$  is non-negative,

45.  $a \cdot 1 = -(|a| \cdot 1)$  \_\_\_\_\_ of \_\_\_\_\_  
of real numbers

46.  $= -(|a| \cdot 1)$  since  $|1| =$  \_\_\_\_\_

47.  $=$  \_\_\_\_\_ Multiplication property of  $1$   
for non-negative real numbers

But, since  $a$  is negative,

48.  $|a| =$  \_\_\_\_\_ Definition of absolute value

Hence,  $-|a| = -(-a)$

49.  $=$  \_\_\_\_\_ The opposite of the opposite of a  
real number is the number itself.

50. Hence,  $a \cdot 1 =$  \_\_\_\_\_ Since  $a \cdot 1 = -|a|$  [Item 47]  
and  $-|a| = a$  [Item 50]

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Name \_\_\_\_\_

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8-3. The Associative and Distributive Properties

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Name \_\_\_\_\_

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**8-4. Use of the Multiplication Properties**

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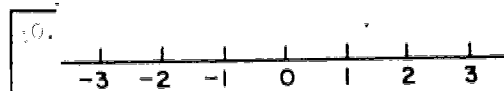
2-1. Multiplicative Inverse

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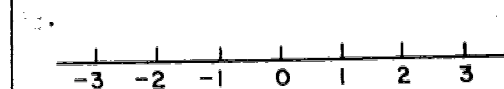
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Name \_\_\_\_\_ Date \_\_\_\_\_

9-2. Reciprocals

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Name \_\_\_\_\_ Date \_\_\_\_\_

7-3. Solution of Equations

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77. A B C D

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Name \_\_\_\_\_ Date \_\_\_\_\_

10-1. The Fundamental Properties of Order

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5. A B C

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34. \_\_\_\_\_  
35. \_\_\_\_\_  
36. \_\_\_\_\_

37. A B C

38. \_\_\_\_\_  
39. \_\_\_\_\_  
40. \_\_\_\_\_  
41. \_\_\_\_\_

14.	_____
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19.	_____
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21.	_____
22.	_____
23.	_____
24.	_____
25.	_____
26.	_____

27.	(now, at the...)
28.	_____
29.	_____
30.	_____

31.	_____
32.	_____
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34.	_____

37.	_____
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Name \_\_\_\_\_ Date \_\_\_\_\_

10-2. Further Properties of Order

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22. Write a sentence about  
the properties of order.

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47. A B C D

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62. \_\_\_\_\_

63. \_\_\_\_\_

64. Write your proof on a  
separate sheet of paper.

65. \_\_\_\_\_

66. \_\_\_\_\_

67. Write your proof on a  
separate sheet of paper.

Name \_\_\_\_\_ Date \_\_\_\_\_

10-3. Solving Inequalities

1. \_\_\_\_\_  
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9. A B C D

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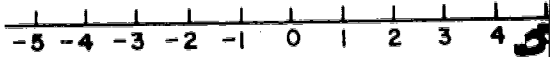
14. \_\_\_\_\_  
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27. A B

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\_\_\_\_\_

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36. A B C D

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Name \_\_\_\_\_ Date \_\_\_\_\_

11-1. Definition of Subtraction

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Name \_\_\_\_\_

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11-2. Properties of Subtraction

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53. A B C D E

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72. \_\_\_\_\_

73. \_\_\_\_\_

74. A E C D

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Name \_\_\_\_\_

Date \_\_\_\_\_

11-3. Subtraction and Distance

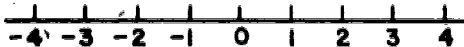
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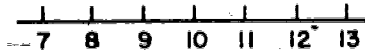
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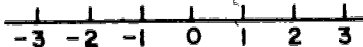
41. \_\_\_\_\_



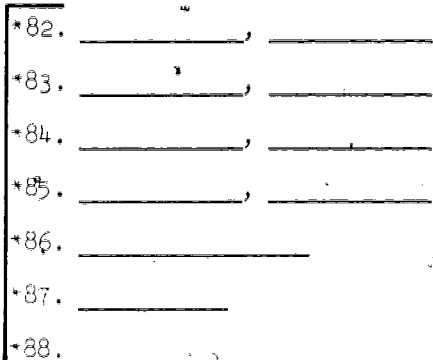
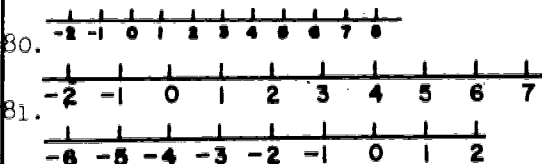
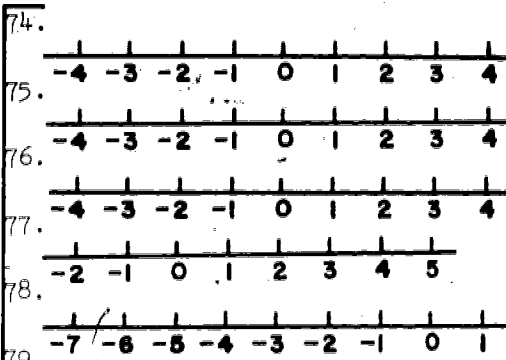
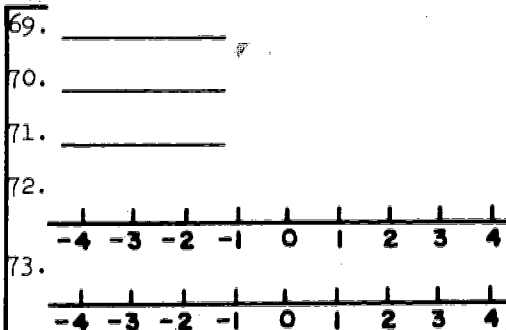
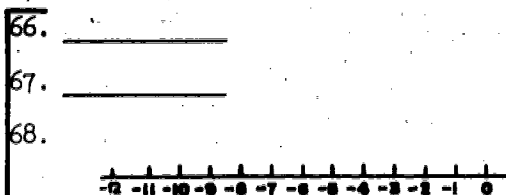
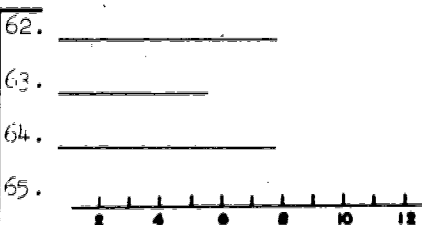
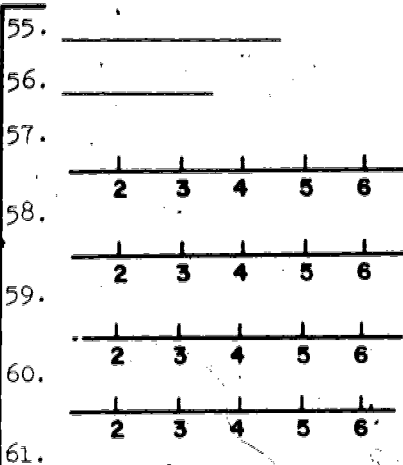
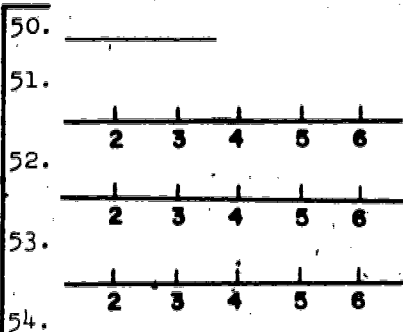
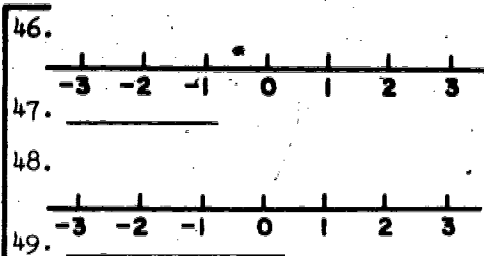
42. \_\_\_\_\_

43. \_\_\_\_\_

44. \_\_\_\_\_



45. A B C D



\*89. \_\_\_\_\_, \_\_\_\_\_  
\*90. \_\_\_\_\_, \_\_\_\_\_  
\*91. \_\_\_\_\_, \_\_\_\_\_  
\*92. \_\_\_\_\_, \_\_\_\_\_  
\*93. \_\_\_\_\_  
\*94. \_\_\_\_\_

Name \_\_\_\_\_

Date \_\_\_\_\_

11-4. Division

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11. A B C

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Name \_\_\_\_\_

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**12-1. Factors**

1. A B C

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54. A B C D



Name \_\_\_\_\_

Date \_\_\_\_\_

12-2. Tests for Divisibility

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8. _____	31. _____	55. _____
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10. _____	33. _____	57. _____
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13. _____	*35. _____	60. _____
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	*37. _____	62. _____
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	41. _____	66. _____
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*21. _____	44. _____	69. _____
*22. _____	45. _____	70. _____
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Name \_\_\_\_\_

Date \_\_\_\_\_

12-3. Prime Numbers and Prime Factorization

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19. A B C

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111. A B C

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Name \_\_\_\_\_

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12-4. Some Facts About Factors

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\*74. A B C

\*75. A B C

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Name \_\_\_\_\_

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13-1. Multiplication of Fractions

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Name \_\_\_\_\_

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13-2. Division of Fractions

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Name \_\_\_\_\_ Date \_\_\_\_\_

13-3. Addition and Subtraction of Fractions

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2. _____	27. _____	51. _____
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4. _____	29. _____	53. _____
5. _____	30. _____	54. _____
6. _____	31. _____	55. _____
7. _____	32. _____	56. _____
8. _____	33. _____	57. _____
9. _____	34. _____	58. _____
10. _____	35. _____	59. _____
11. _____	36. _____	60. _____
12. _____	37. _____	61. _____
13. _____	38. _____	62. _____
14. _____	39. _____	63. _____
15. _____	40. _____	64. _____
16. _____	41. _____	65. _____
17. _____	42. _____	66. _____
18. _____	43. _____	67. _____
19. _____	44. _____	68. _____
20. _____	45. _____	69. _____
21. _____	46. _____	70. _____
22. _____	47. _____	71. _____
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14-1. Introduction to Exponents

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14-2. Positive Integers as Exponents

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14-3. Non-Positive Integers as Exponents

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14-4. Using Exponents

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\*85. \_\_\_\_\_

86. A B C D E

Name \_\_\_\_\_

Date \_\_\_\_\_

15-1. Roots

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86. A B

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Name \_\_\_\_\_

Date \_\_\_\_\_

## 15-2. Irrational Numbers

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Name \_\_\_\_\_ Date \_\_\_\_\_

15-3. Simplification of Radicals

1. _____	25. _____	50. _____
2. _____	26. _____	51. _____
3. _____	27. _____	52. _____
4. _____	28. _____	53. _____
5. _____	29. _____	54. _____
6. _____	30. _____	55. _____
7. _____	31. _____	56. _____
8. _____	32. _____	57. _____
9. _____	33. _____	58. _____
10. _____	34. _____	59. _____
11. _____	35. _____	60. _____
12. _____	36. _____	61. _____
13. _____	37. _____	62. _____
14. _____	38. _____	63. _____
15. _____	39. _____	64. _____
16. _____	40. _____	65. _____
17. _____	41. _____	66. _____
18. A B C D	42. _____	67. _____
19. _____	43. _____	68. _____
20. _____	44. _____	69. _____
21. _____	45. _____	
22. _____	46. _____	
23. _____	47. _____	
24. _____	48. _____	
	49. _____	

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\*122. \_\_\_\_\_  
\*123. \_\_\_\_\_  
\*124. \_\_\_\_\_

\*125. \_\_\_\_\_  
\*126. \_\_\_\_\_  
\*127. \_\_\_\_\_  
\*128. \_\_\_\_\_  
\*129. \_\_\_\_\_  
\*130. \_\_\_\_\_

Name \_\_\_\_\_ Date \_\_\_\_\_

19-4. Simplification of Radicals Involving Fractions

1. _____	20. _____	43. _____
2. _____	23. _____	44. _____
3. _____	24. _____	45. _____
	25. _____	46. _____
4. _____	26. _____	
5. _____	27. _____	47. _____
6. _____	28. _____	48. _____
7. _____		49. _____
8. _____	29. _____	50. _____
	30. _____	51. _____
9. _____	31. _____	
10. _____	32. _____	52. _____
11. _____		53. _____
	33. _____	54. _____
12. _____	34. _____	55. _____
	35. _____	56. _____
13. _____	36. _____	57. _____
14. _____	37. _____	
	38. _____	58. _____
15. _____	39. _____	59. _____
16. _____	40. _____	60. _____
17. _____	41. _____	61. _____
18. _____	42. _____	62. _____
		63. _____
		64. _____
		65. _____
		66. _____

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97. \_\_\_\_\_  
98. \_\_\_\_\_



Name \_\_\_\_\_ Date \_\_\_\_\_

15-5. Approximate Square Roots of Numbers between 1 and 100

1. \_\_\_\_\_  
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4. \_\_\_\_\_  
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Name \_\_\_\_\_ Date \_\_\_\_\_

15-6. Approximate Square Roots of Positive Numbers

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49. A B C

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Name \_\_\_\_\_ Date \_\_\_\_\_

16-1. Polynomials

1. \_\_\_\_\_  
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4. \_\_\_\_\_  
5. \_\_\_\_\_

6. A B C D

7. A B C D

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59. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

60. A B C D

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Name \_\_\_\_\_ Date \_\_\_\_\_

16-2. Factoring by the Distributive Property

1. _____	23. A B C	43. _____
2. _____		44. _____
3. _____	24. _____	45. _____
4. _____	25. _____	46. _____
	26. _____	
5. _____	27. A B C	47. _____
6. _____		48. _____
7. _____	29. _____	49. _____
8. _____	30. _____	50. _____
	31. _____	51. _____
9. _____		52. _____
10. _____		53. _____
11. _____		54. _____
12. _____		55. _____
	32. _____	56. _____
13. _____	33. _____	
14. _____	34. _____	57. _____
	35. _____	58. _____
15. _____		59. _____
16. _____		
17. _____		60. _____
18. _____		
	37. _____	
19. _____	38. _____	
20. _____	39. _____	61. A B C D
	40. _____	
21. _____	41. _____	62. _____
22. _____	42. _____	

63. \_\_\_\_\_  
64. \_\_\_\_\_  
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86. \_\_\_\_\_



Name \_\_\_\_\_ Date \_\_\_\_\_

16-3. Difference of Squares

1. _____	15. _____	41. _____
2. _____	16. _____	42. _____
3. _____	17. _____	43. _____
4. _____	18. _____	44. _____
5. _____	19. _____	45. _____
6. _____	20. _____	46. _____
7. _____	21. _____	47. _____
8. _____	22. _____	48. _____
9. _____	23. _____	49. _____
10. _____	24. _____	50. _____
11. _____	25. _____	51. _____
12. _____	26. _____	52. _____
13. _____	27. _____	53. _____
14. _____	28. _____	54. _____
15. _____	29. _____	55. _____
16. _____	30. _____	56. _____
17. _____	31. _____	57. _____
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Name \_\_\_\_\_

Date \_\_\_\_\_

16-4. Perfect Squares

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Name \_\_\_\_\_

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16-5. Factoring by Completing the Square

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Name \_\_\_\_\_

Date \_\_\_\_\_

16-6. Summary and Review

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Name \_\_\_\_\_

Date \_\_\_\_\_

**17-1. Factoring by Inspection**

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15: A B C D

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\*109. \_\_\_\_\_



Name \_\_\_\_\_

Date \_\_\_\_\_

17-2. Factoring by Inspection, Continued

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	26. _____	*49. _____
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		*53. _____
6. _____	30. _____	*54. _____
7. _____	31. _____	
8. _____	32. _____	*55. _____
9. _____	33. _____	*56. A B
10. _____	34. _____	
11. _____	35. _____	57. _____
	36. _____	58. _____
12. _____		59. _____
13. _____	37. _____	60. _____
14. _____	38. _____	61. _____
15. _____	39. _____	
16. _____	40. _____	62. _____
17. _____	41. _____	63. _____
	42. _____	64. _____
18. _____	43. _____	65. _____
19. _____		66. _____
20. _____	44. _____	67. _____
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Name \_\_\_\_\_

Date \_\_\_\_\_

17-3. Factoring over the Real Numbers

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21. A B C D

22. A B C D

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Name \_\_\_\_\_

Date \_\_\_\_\_

17-4. Quadratic Equations

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|-----------|-------------------------|-------------------------|
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| 2. _____  | 26. _____               | 49. _____               |
| 3. _____  | 27. _____               | 50. _____               |
| 4. _____  |                         | 51. _____               |
| 5. _____  | 28. _____               |                         |
| 6. _____  | 29. _____               | 52. _____               |
|           | 30. _____               | 53. _____               |
| 7. _____  | 31. _____               | 54. _____               |
| 8. _____  | 32. _____               |                         |
| 9. _____  |                         | 55. _____               |
| 10. _____ | 33. _____               | 56. _____               |
| 11. _____ | 34. _____               |                         |
| 12. _____ | 35. _____               | 57. _____               |
| 13. _____ | 36. _____               | 58. _____               |
| 14. _____ | 37. _____               | 59. _____               |
| 15. _____ |                         | 60. _____               |
|           | 38. _____               |                         |
| 16. _____ | 39. _____               | 61. _____, _____, _____ |
| 17. _____ |                         | 62. _____               |
| 18. _____ | 40. _____, _____, _____ | 63. _____               |
| 19. _____ | 41. _____               | 64. _____               |
| 20. _____ |                         |                         |
| 21. _____ | 42. _____               | 65. _____               |
| 22. _____ | 43. _____               | 66. _____               |
| 23. _____ | 44. _____               | 67. _____               |
| 24. _____ | 45. _____               | 68. _____               |
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Name \_\_\_\_\_

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17-5. Summary and Review

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Name \_\_\_\_\_

Date \_\_\_\_\_

18-1. Division of Polynomials

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Name \_\_\_\_\_

Date \_\_\_\_\_

18-3. Products and Quotients Involving Polynomials

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Name \_\_\_\_\_

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18-4. Rational Expressions

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40. \_\_\_\_\_

41. \_\_\_\_\_

42. \_\_\_\_\_

Name \_\_\_\_\_

Date \_\_\_\_\_

19-1. Equivalent Equations

1. A B C D

2.	_____
3.	_____
4.	_____
5.	_____
6.	_____

7. A B C

8.	_____
9.	_____
10.	_____
11.	_____

12.	_____
13.	_____
14.	_____
15.	_____
16.	_____

17.	_____
18.	_____
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20.	_____
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23.	_____
24.	_____
25.	_____
26.	_____
27.	_____
28.	_____

29.	_____
30.	_____
31.	_____

32.	_____
33.	_____
34.	_____
35.	_____
36.	_____

37. A B

38.	_____
39.	_____
40.	_____

41.	_____
42.	_____
43.	_____

44.	_____
45.	_____

46. \_\_\_\_\_  
47. \_\_\_\_\_  
48. \_\_\_\_\_  
49. \_\_\_\_\_  
50. \_\_\_\_\_

51. \_\_\_\_\_  
52. \_\_\_\_\_  
53. \_\_\_\_\_  
54. \_\_\_\_\_  
55. \_\_\_\_\_  
56. \_\_\_\_\_

57. A B C D

58. \_\_\_\_\_  
59. \_\_\_\_\_  
60. \_\_\_\_\_  
61. \_\_\_\_\_  
62. \_\_\_\_\_  
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84. \_\_\_\_\_  
85. \_\_\_\_\_  
86. \_\_\_\_\_  
87. \_\_\_\_\_

88. A B C D

89. A B C

90. \_\_\_\_\_  
91. \_\_\_\_\_  
92. \_\_\_\_\_  
93. \_\_\_\_\_  
94. \_\_\_\_\_  
95. \_\_\_\_\_

96. \_\_\_\_\_

Name \_\_\_\_\_ Date \_\_\_\_\_

19-2. Fractional Equations

1. _____	22. _____	*45. _____
2. _____	23. _____	*46. _____
3. _____	24. _____	*47. _____
4. _____	25. <u>9</u> _____	48. _____
5. _____	26. A B C	49. _____
6. _____	27. A B C D	50. _____
7. _____	28. _____	51. _____
8. A B C D	29. _____	52. _____
9. A B	30. _____	53. _____
10. _____	31. _____	54. _____
11. _____	32. _____	55. _____
12. _____	33. _____	56. _____
13. _____	34. _____	57. _____
14. _____	35. _____	58. _____
15. _____	36. _____	59. _____
16. _____	37. _____	60. _____
17. _____	38. _____	61. _____
18. _____	39. _____	62. _____
19. _____	40. _____	63. _____
20. _____	41. _____	64. _____
21. _____	42. _____	65. _____
	43. _____	
	44. _____	



66. \_\_\_\_\_  
67. \_\_\_\_\_  
68. \_\_\_\_\_  
69. \_\_\_\_\_  
70. \_\_\_\_\_  
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74. \_\_\_\_\_  
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77. \_\_\_\_\_  
78. \_\_\_\_\_

79. \_\_\_\_\_

80. \_\_\_\_\_  
81. \_\_\_\_\_

82. \_\_\_\_\_

Name \_\_\_\_\_ Date \_\_\_\_\_

19-3. Squaring Both Sides of an Equation

1. _____	23. _____	46. _____
2. _____	24. _____	47. _____
3. _____	25. _____	48. _____
4. _____		49. _____
	26. _____	
5. _____	27. _____	50. _____
6. _____	28. _____	
7. _____		51. A B
8. _____	29. _____	
9. _____	30. _____	52. _____
10. _____	31. _____	53. _____
11. _____	32. _____	54. _____
	33. _____	55. _____
12. _____		
13. _____	34. _____	56. _____
14. _____	35. _____	57. _____
15. _____	36. _____	58. _____
16. _____	37. _____	59. _____
	38. _____	
17. _____		60. _____
18. _____	39. _____	61. _____
	40. _____	
19. A B	41. _____	62. _____
	42. _____	
20. _____	43. _____	
21. _____	44. _____	
22. _____		
	45. _____	

Name \_\_\_\_\_

Date \_\_\_\_\_

19-4. Inequalities

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_

5. \_\_\_\_\_  
6. \_\_\_\_\_  
7. \_\_\_\_\_  
8. \_\_\_\_\_  
9. \_\_\_\_\_  
10. \_\_\_\_\_

11. \_\_\_\_\_  
12. \_\_\_\_\_

13. \_\_\_\_\_  
14. \_\_\_\_\_  
15. \_\_\_\_\_  
16. \_\_\_\_\_  
17. \_\_\_\_\_  
18. \_\_\_\_\_

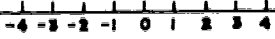
19. \_\_\_\_\_  
20. \_\_\_\_\_  
21. \_\_\_\_\_  
22. \_\_\_\_\_

23. \_\_\_\_\_  
24. \_\_\_\_\_

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26. \_\_\_\_\_

27. \_\_\_\_\_  
28. \_\_\_\_\_

29. \_\_\_\_\_  
30. \_\_\_\_\_

31. 

32. A B

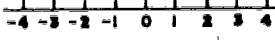
33. \_\_\_\_\_  
34. \_\_\_\_\_

35. \_\_\_\_\_

36. \_\_\_\_\_  
37. \_\_\_\_\_

38. \_\_\_\_\_  
39. \_\_\_\_\_

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41. 

42. \_\_\_\_\_

43. \_\_\_\_\_

44. \_\_\_\_\_

45. \_\_\_\_\_

46. \_\_\_\_\_

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48. \_\_\_\_\_

49. \_\_\_\_\_

50. \_\_\_\_\_

51. \_\_\_\_\_

52. \_\_\_\_\_

53. \_\_\_\_\_

54. A B C D

55. A B C

56. \_\_\_\_\_

57. \_\_\_\_\_

58. \_\_\_\_\_

59. \_\_\_\_\_


60. \_\_\_\_\_

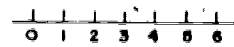
61. \_\_\_\_\_

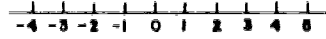
62. \_\_\_\_\_

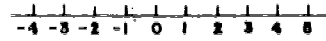
63. \_\_\_\_\_

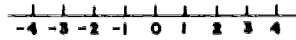
64. \_\_\_\_\_

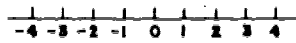
65. 

66. 

67. 

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70. 

71. \_\_\_\_\_

72. \_\_\_\_\_

73. \_\_\_\_\_

74. \_\_\_\_\_

75. \_\_\_\_\_

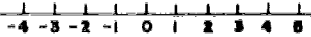
76. \_\_\_\_\_

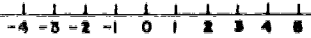
77. \_\_\_\_\_

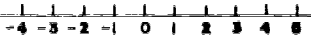
78. \_\_\_\_\_

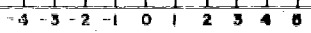
79. \_\_\_\_\_

80. \_\_\_\_\_

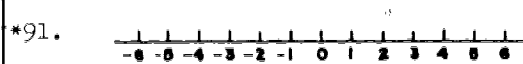
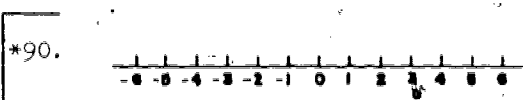
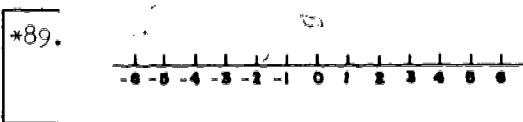
81. 

82. 

83. 

84. 

- \*85. \_\_\_\_\_
- \*86. \_\_\_\_\_
- \*87. \_\_\_\_\_
- \*88. \_\_\_\_\_



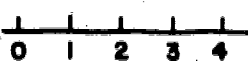
Name \_\_\_\_\_

Date \_\_\_\_\_

**20-1. The Real Number Plane**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. 

4. A B C

5. \_\_\_\_\_

6. \_\_\_\_\_

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49. \_\_\_\_\_

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52. \_\_\_\_\_  
53. \_\_\_\_\_  
54. \_\_\_\_\_  
55. \_\_\_\_\_  
56. \_\_\_\_\_  
57. \_\_\_\_\_  
58. \_\_\_\_\_  
59. \_\_\_\_\_  
60. \_\_\_\_\_  
61. \_\_\_\_\_  
62. \_\_\_\_\_

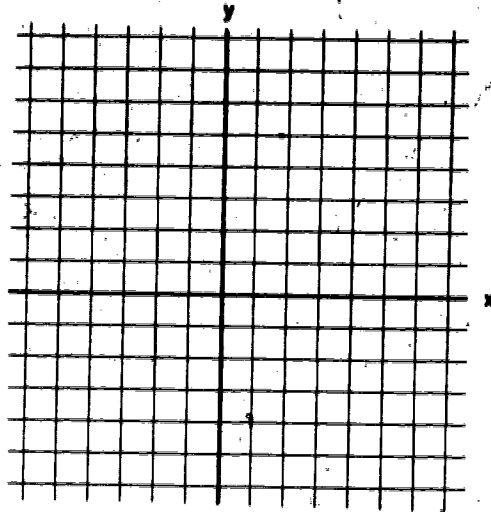
63. \_\_\_\_\_  
64. \_\_\_\_\_  
65. \_\_\_\_\_  
66. \_\_\_\_\_  
67. \_\_\_\_\_

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70. \_\_\_\_\_  
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95. \_\_\_\_\_

96.



97. \_\_\_\_\_  
 98. \_\_\_\_\_  
 99. \_\_\_\_\_  
 100. \_\_\_\_\_  
 101. \_\_\_\_\_

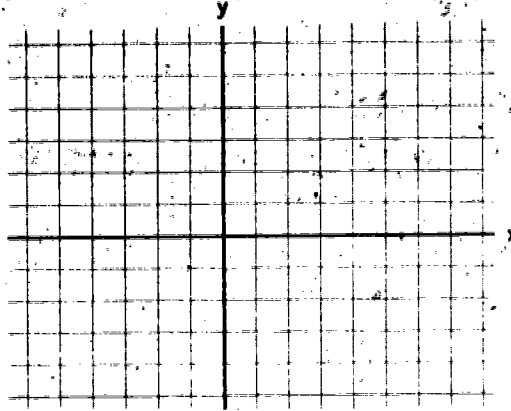
102. \_\_\_\_\_  
 103. \_\_\_\_\_  
 104. \_\_\_\_\_

105. \_\_\_\_\_  
 106. \_\_\_\_\_

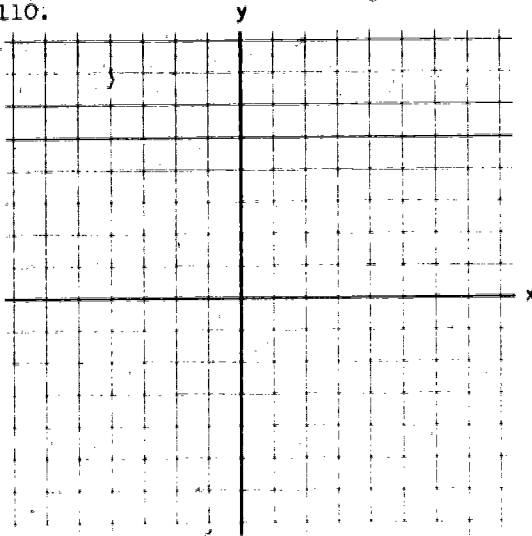
107. \_\_\_\_\_  
 108. \_\_\_\_\_



109. A B



\*110.



- (a) \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_  
 \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_  
 (b) \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_  
 \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_  
 (c) \_\_\_\_\_ (f) \_\_\_\_\_  
 (d) \_\_\_\_\_  
 (e) \_\_\_\_\_

\*111. A B C

20-2. The y-Form of the Equation of a Line

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_

- 8. \_\_\_\_\_
- 9. \_\_\_\_\_

- 10. \_\_\_\_\_
- 11. \_\_\_\_\_
- 12. \_\_\_\_\_
- 13. \_\_\_\_\_

- 14. \_\_\_\_\_
- 15. \_\_\_\_\_
- 16. \_\_\_\_\_
- 17. \_\_\_\_\_

- 18. \_\_\_\_\_
- 19. \_\_\_\_\_

20. A B

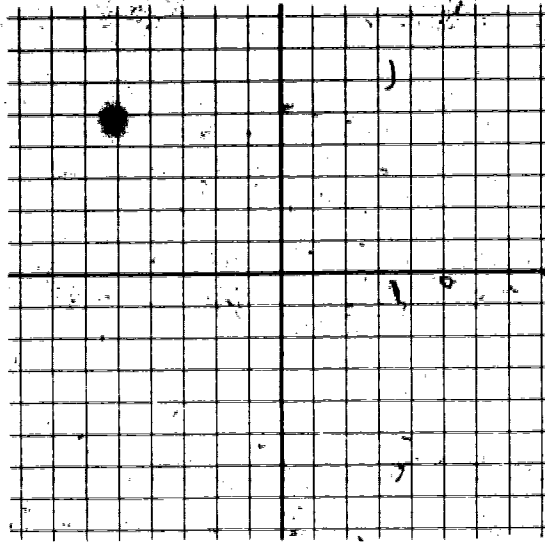
- 21. \_\_\_\_\_
- 22. \_\_\_\_\_

- 23. \_\_\_\_\_
- 24. \_\_\_\_\_

- 25. \_\_\_\_\_
- 26. \_\_\_\_\_
- 27. \_\_\_\_\_
- 28. \_\_\_\_\_
- 29. \_\_\_\_\_
- 30. \_\_\_\_\_
- 31. \_\_\_\_\_
- 32. \_\_\_\_\_
- 33. \_\_\_\_\_

- 34. \_\_\_\_\_
- 35. \_\_\_\_\_
- 36. \_\_\_\_\_
- 37. \_\_\_\_\_

38 and 39.



40. \_\_\_\_\_  
 41. \_\_\_\_\_  
 42. \_\_\_\_\_  
 43. \_\_\_\_\_  
 44. \_\_\_\_\_  
 45. \_\_\_\_\_  
 46. \_\_\_\_\_

47. \_\_\_\_\_  
 48. \_\_\_\_\_  
 49. \_\_\_\_\_

50. A B C

51. \_\_\_\_\_  
 52. \_\_\_\_\_  
 53. \_\_\_\_\_  
 54. \_\_\_\_\_  
 55. \_\_\_\_\_

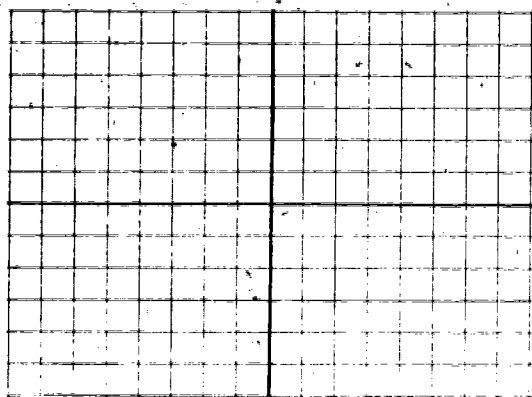
56. \_\_\_\_\_  
 57. \_\_\_\_\_  
 58. \_\_\_\_\_  
 59. \_\_\_\_\_

60. A B C D

61. \_\_\_\_\_  
 62. \_\_\_\_\_  
 63. \_\_\_\_\_  
 64. \_\_\_\_\_  
 65. \_\_\_\_\_

66.

$y =$  \_\_\_\_\_

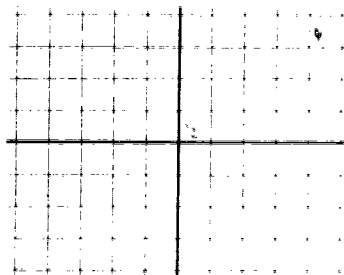


67. \_\_\_\_\_

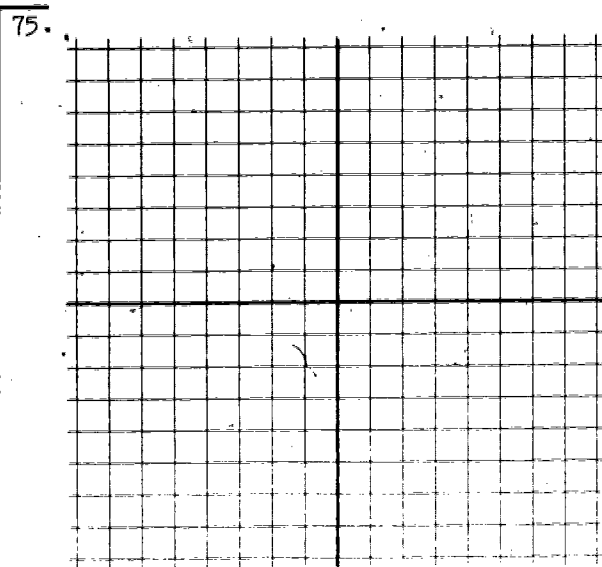
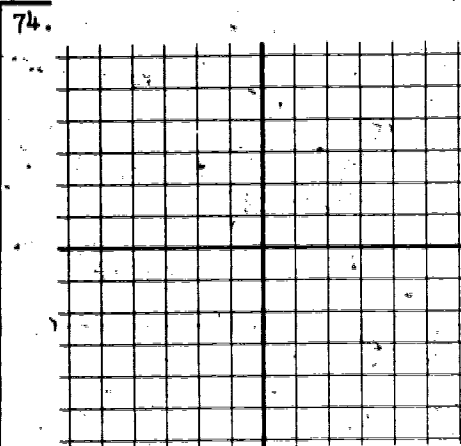
70. \_\_\_\_\_

68. \_\_\_\_\_

69.



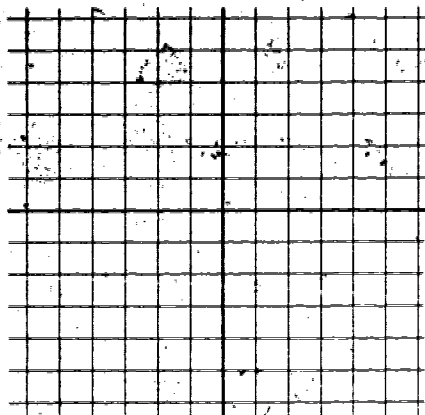
71. \_\_\_\_\_  
72. \_\_\_\_\_  
73. \_\_\_\_\_



76. \_\_\_\_\_  
77. \_\_\_\_\_  
78. \_\_\_\_\_

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81.



82.

\_\_\_\_\_

83.

\_\_\_\_\_

Name \_\_\_\_\_

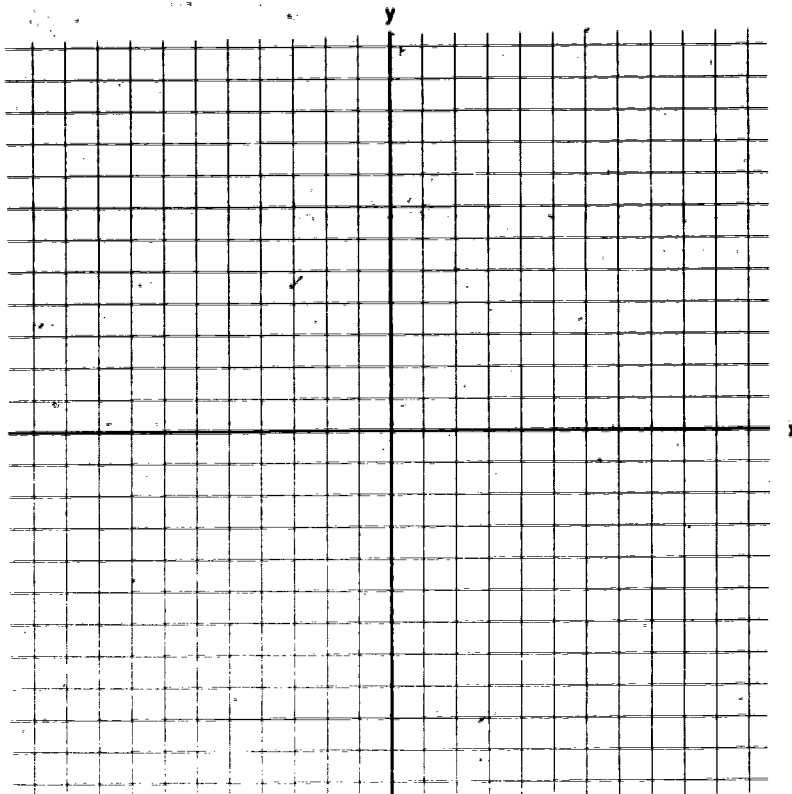
Date \_\_\_\_\_

20-3. Definition of Slope and y-Intercept

1.

x	-6		$-2\frac{1}{2}$		3		6
y		-3		0		5	

2. (Use also for Items 9, 16, 20, and 23.)



3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8.	x	-6		$-\frac{4}{3}$		2.5		6
	y		5.5		0		-4	

9. Use coordinate axes in Item 2.

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. Use coordinate axes in Item 2.

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. Use coordinate axes in Item 2.

21. \_\_\_\_\_

22. \_\_\_\_\_

23. Use coordinate axes in Item 2.

24. \_\_\_\_\_

25. \_\_\_\_\_

26. \_\_\_\_\_

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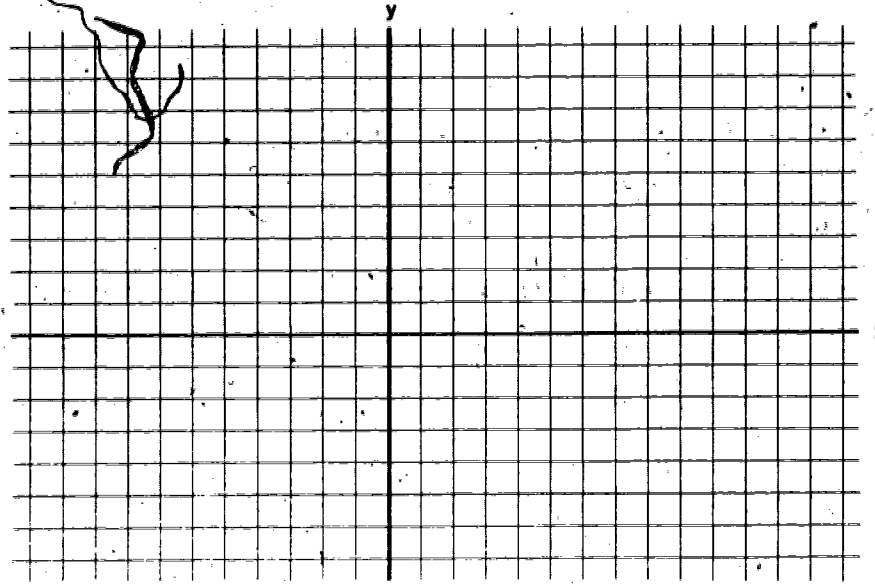


47. \_\_\_\_\_

48. \_\_\_\_\_

49. \_\_\_\_\_

50. (Use also for Item 53.)



51. \_\_\_\_\_

52. \_\_\_\_\_

53. Use coordinate axes in Item 50.

62. \_\_\_\_\_

63. \_\_\_\_\_

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74. \_\_\_\_\_

75. \_\_\_\_\_  
76. \_\_\_\_\_

77. A B C

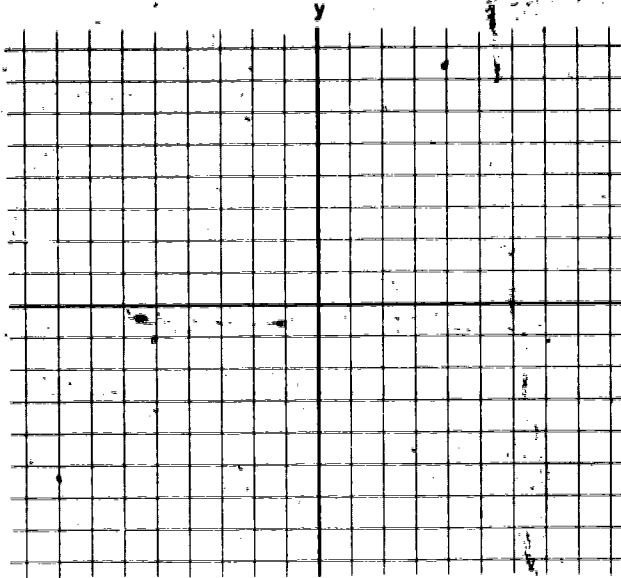
78. \_\_\_\_\_, \_\_\_\_\_  
79. \_\_\_\_\_, \_\_\_\_\_  
80. \_\_\_\_\_, \_\_\_\_\_  
81. \_\_\_\_\_, \_\_\_\_\_  
82. \_\_\_\_\_, \_\_\_\_\_  
83. \_\_\_\_\_, \_\_\_\_\_  
84. \_\_\_\_\_, \_\_\_\_\_  
85. \_\_\_\_\_, \_\_\_\_\_  
86. \_\_\_\_\_, \_\_\_\_\_

Name \_\_\_\_\_

Date \_\_\_\_\_

20-4. Applications of the Slope and Intercept

1.



2. \_\_\_\_\_

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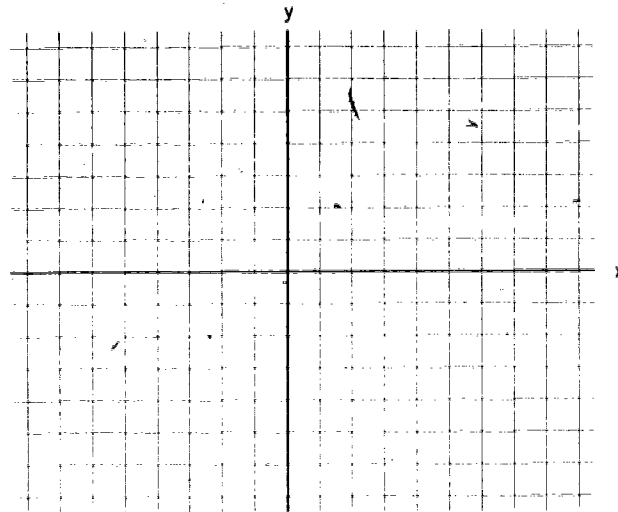
73. \_\_\_\_\_

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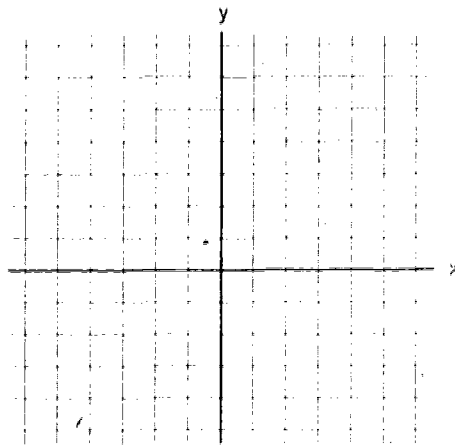
75. \_\_\_\_\_

76. \_\_\_\_\_

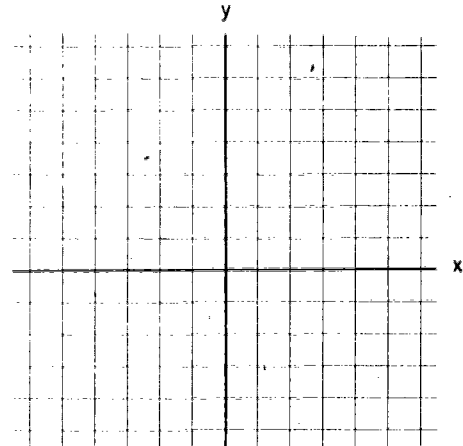
77.



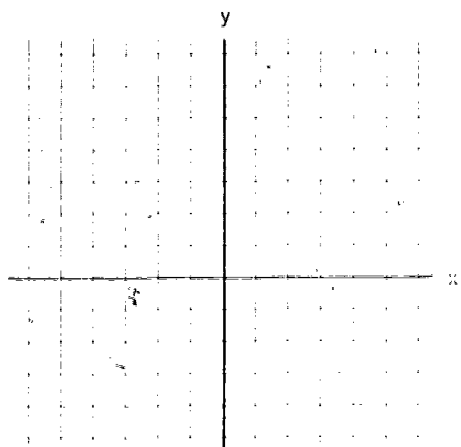
78.



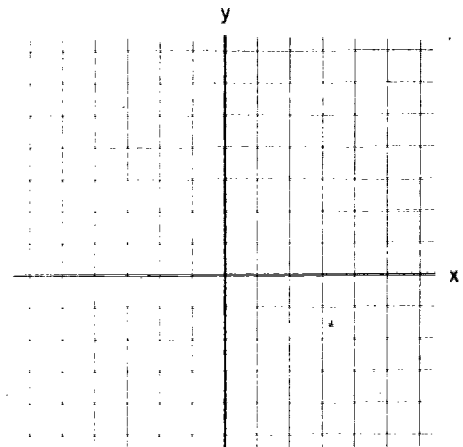
79.



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87.	_____
88.	_____
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93.	_____
94.	_____
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96.	_____
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98.	_____
99.	_____
100.	_____

101.	_____
102.	_____
103.	_____
104.	_____
105.	_____

Copy of the ...

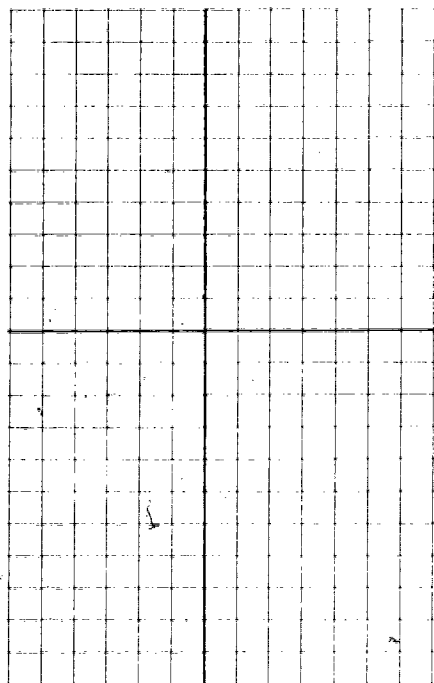
Name \_\_\_\_\_ Date \_\_\_\_\_

21-1. Graphs of Inequalities

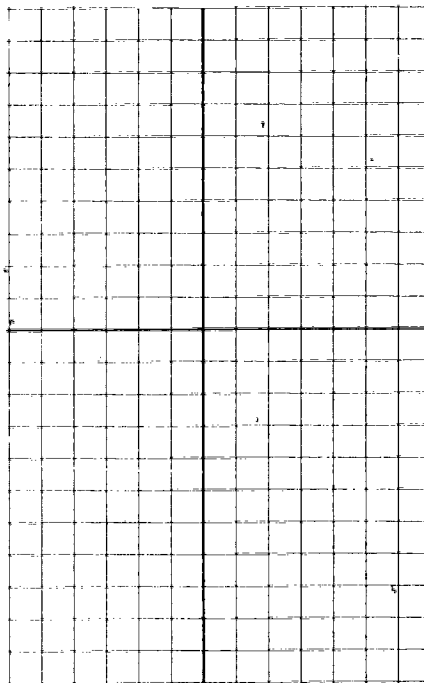
1. \_\_\_\_\_

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f

14. \_\_\_\_\_

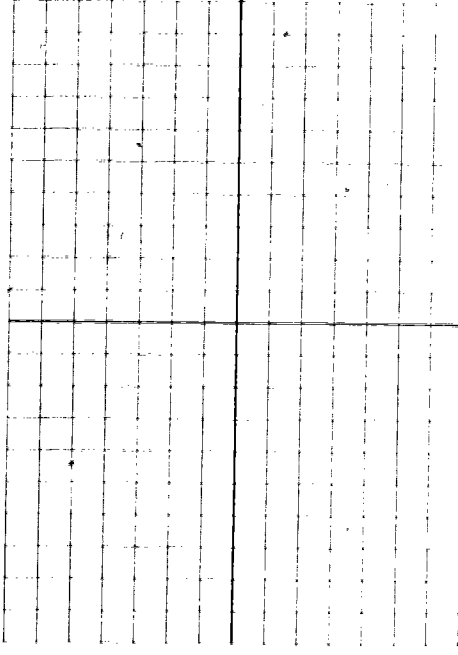
15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19.



20. \_\_\_\_\_

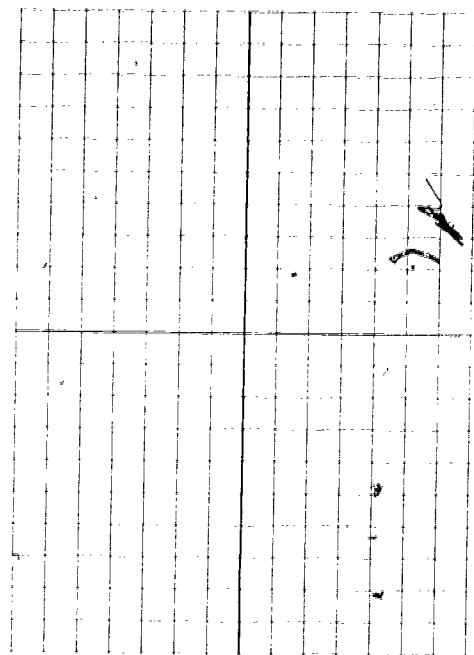
21. \_\_\_\_\_

22. \_\_\_\_\_

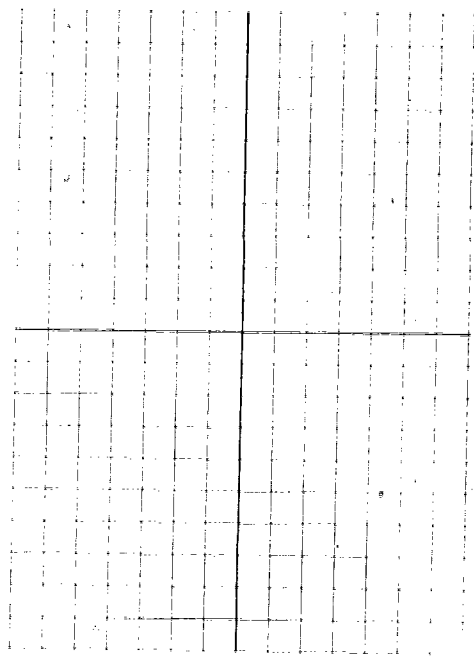
23. \_\_\_\_\_

24. \_\_\_\_\_

25.

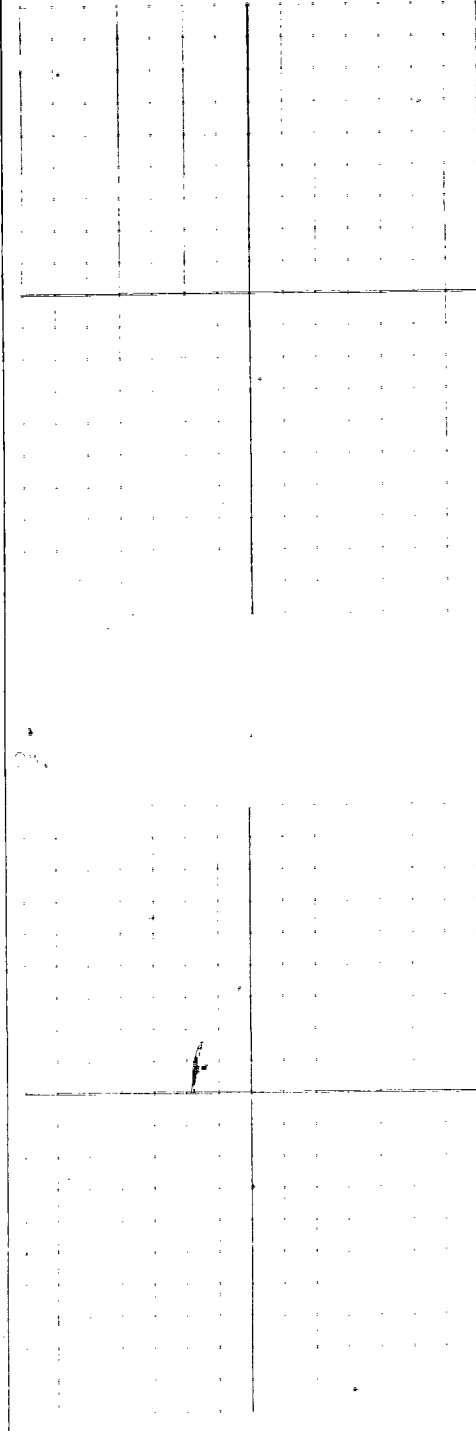


26.

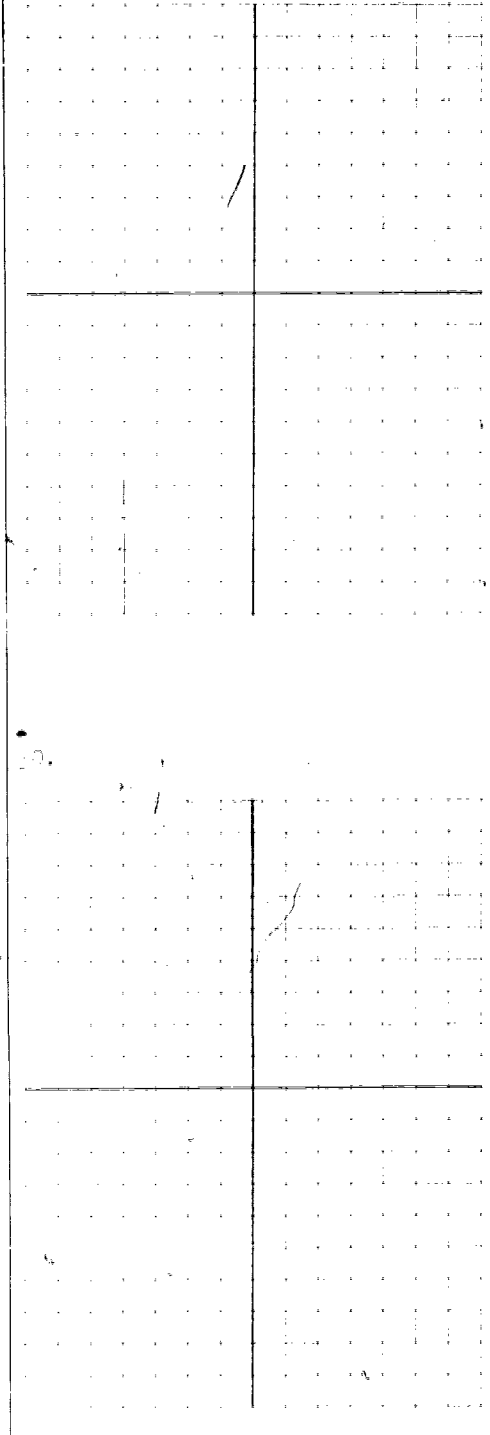




27.

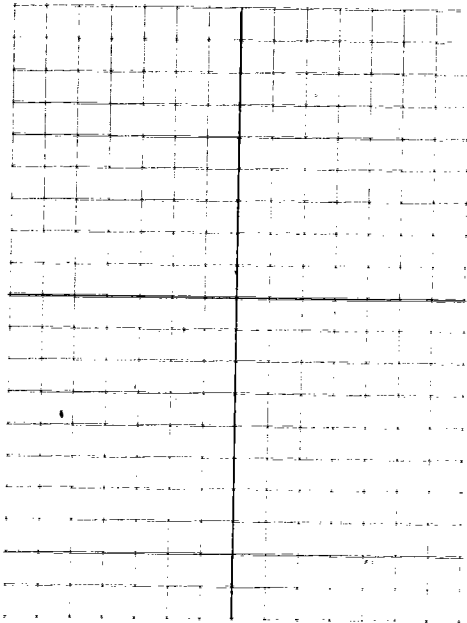


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33. \_\_\_\_\_

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35. \_\_\_\_\_

36. \_\_\_\_\_

37. \_\_\_\_\_

38. A B C

39. A B C

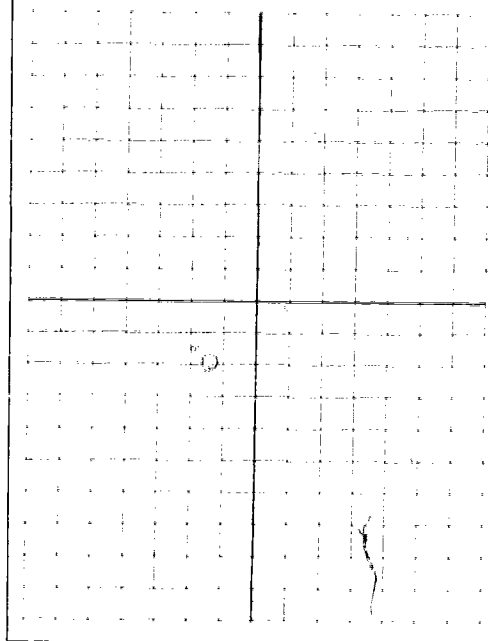
40. \_\_\_\_\_

41. \_\_\_\_\_

42. \_\_\_\_\_

43. \_\_\_\_\_

32.



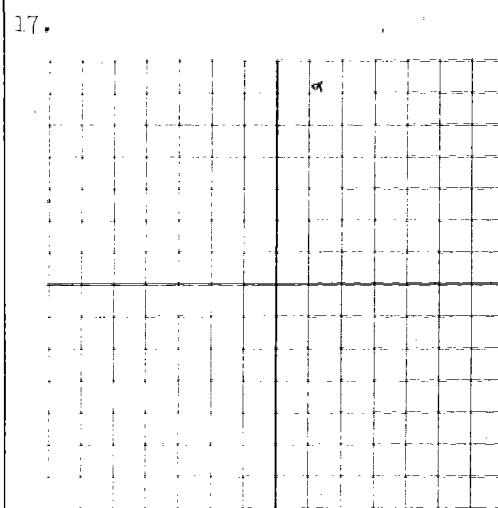
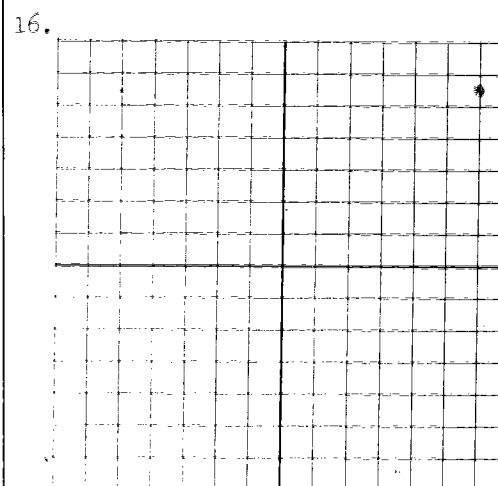
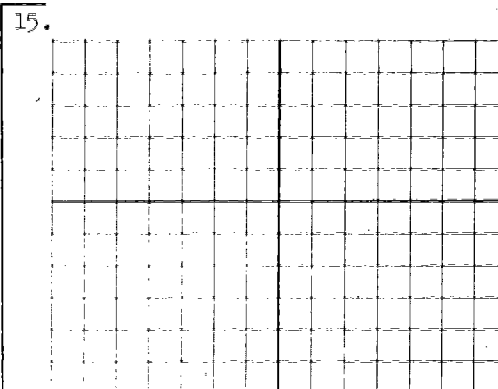
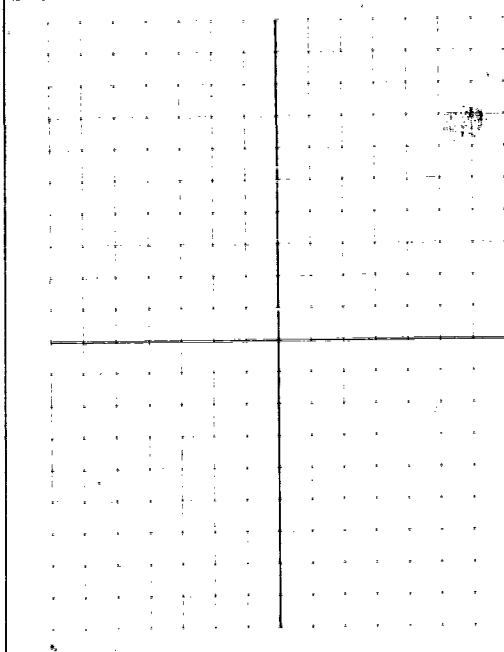
Name \_\_\_\_\_ Date \_\_\_\_\_

21-2. Graphs of Open Sentences Involving Absolute Values

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_, \_\_\_\_\_

8. A B C

9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_
14. \_\_\_\_\_



18. \_\_\_\_\_  
19. \_\_\_\_\_  
20. \_\_\_\_\_

21. \_\_\_\_\_  
22. \_\_\_\_\_

23. A B C

24. \_\_\_\_\_  
25. \_\_\_\_\_  
26. \_\_\_\_\_  
27. \_\_\_\_\_  
28. \_\_\_\_\_  
29. \_\_\_\_\_  
30. \_\_\_\_\_  
31. \_\_\_\_\_  
32. \_\_\_\_\_

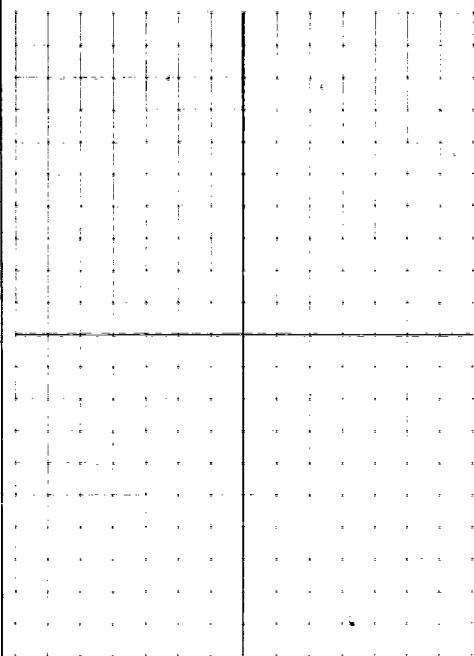
33.

34. \_\_\_\_\_  
35. \_\_\_\_\_  
36. \_\_\_\_\_  
37. \_\_\_\_\_  
38. \_\_\_\_\_  
39. \_\_\_\_\_  
40. \_\_\_\_\_

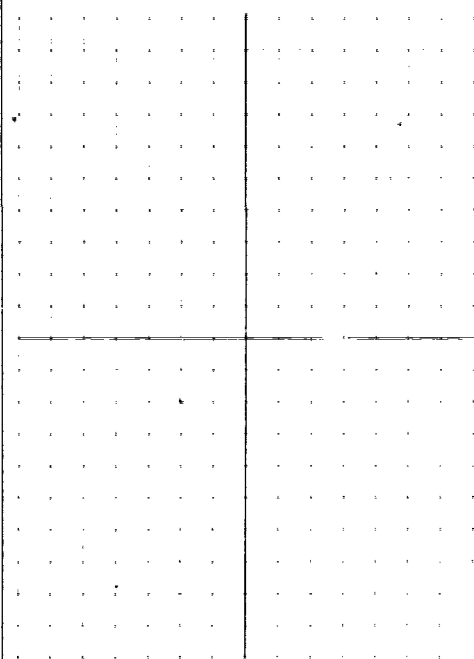
41. \_\_\_\_\_  
42. \_\_\_\_\_  
43. \_\_\_\_\_  
44. \_\_\_\_\_  
45. \_\_\_\_\_  
46. \_\_\_\_\_  
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48. \_\_\_\_\_  
49. \_\_\_\_\_  
50. \_\_\_\_\_  
51. \_\_\_\_\_  
52. \_\_\_\_\_

53.



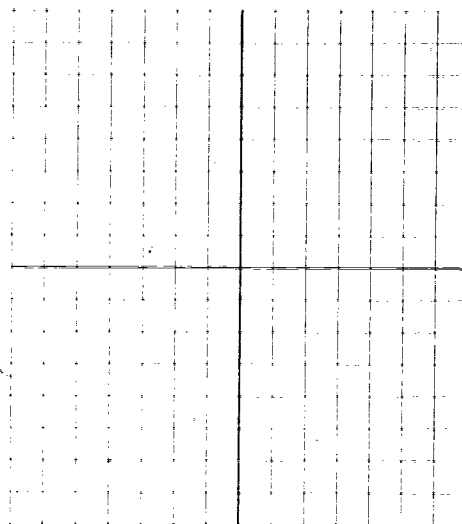
54.



55. \_\_\_\_\_

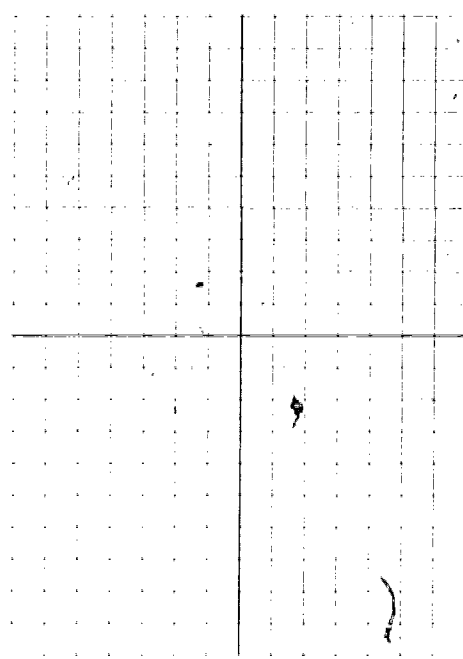
56. \_\_\_\_\_, \_\_\_\_\_

57.



58. \_\_\_\_\_

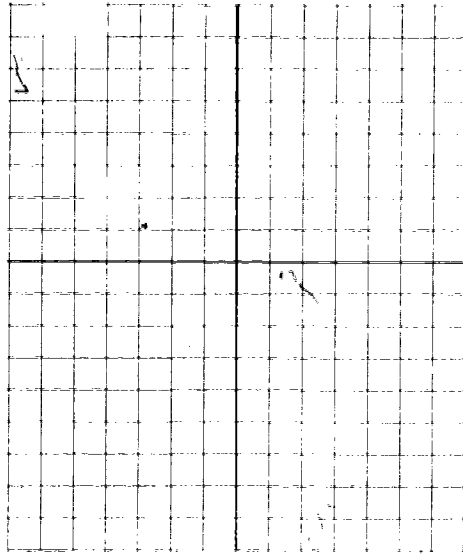
59.



60. \_\_\_\_\_

61. \_\_\_\_\_, \_\_\_\_\_

62.



67. \_\_\_\_\_

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75. \_\_\_\_\_

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77. \_\_\_\_\_

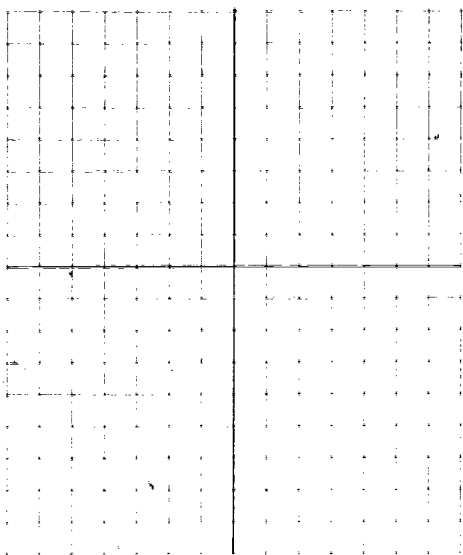
63. \_\_\_\_\_

64. \_\_\_\_\_

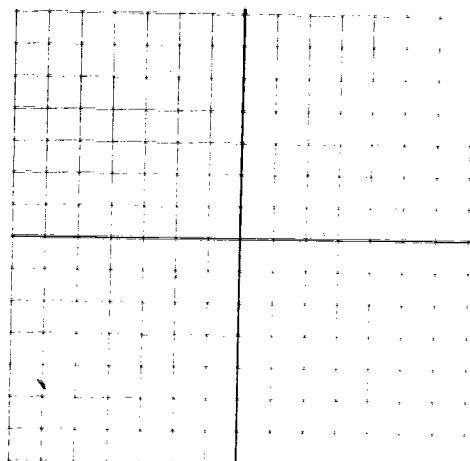
65.

x	-6	-3	-1	-.5	0	1	1.5	4	7
y			1	.5	0	1			

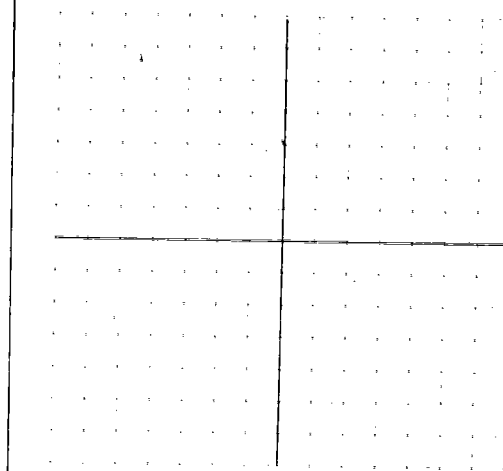
66.



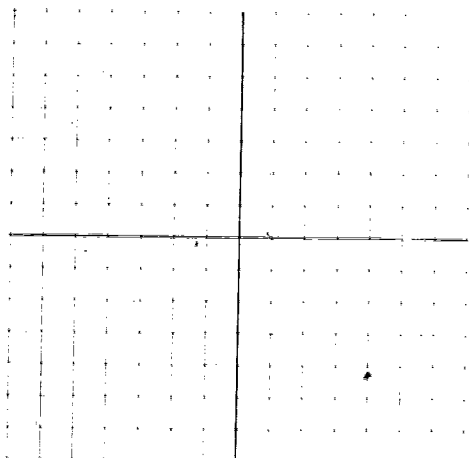
78.



81.



79.

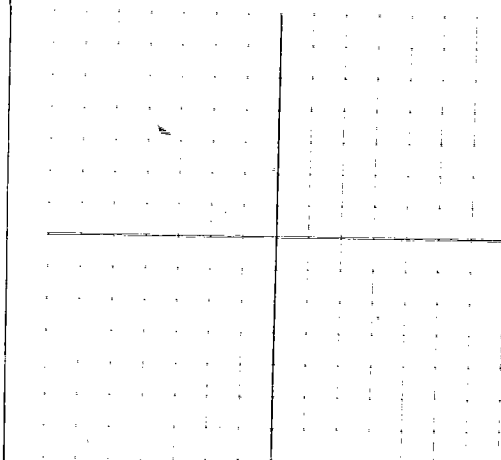
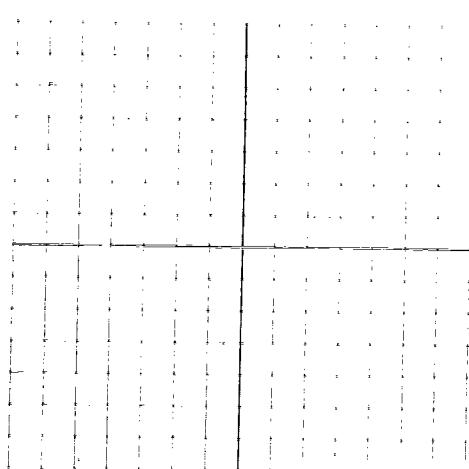


82. A B

33. \_\_\_\_\_  
34. \_\_\_\_\_  
35. \_\_\_\_\_

36. \_\_\_\_\_  
37. \_\_\_\_\_  
38. \_\_\_\_\_  
39. \_\_\_\_\_

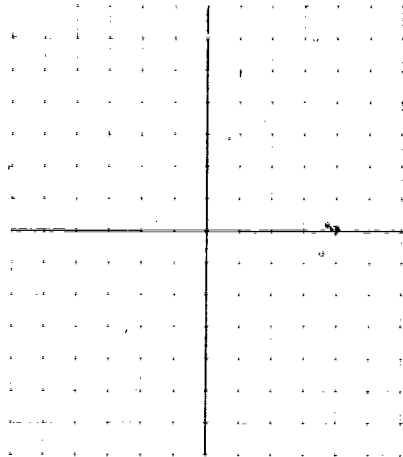
80.



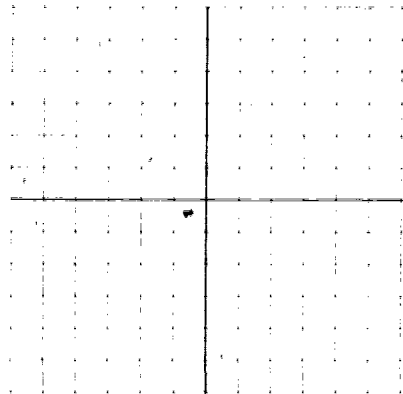
40. \_\_\_\_\_  
41. \_\_\_\_\_

92. A B

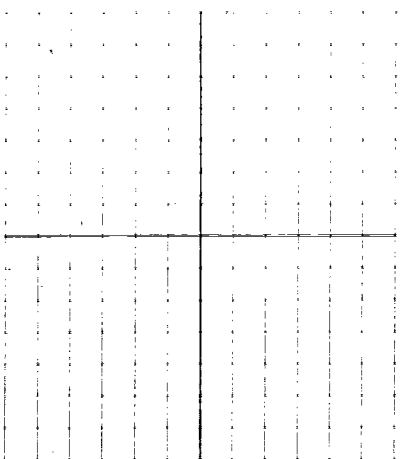
(1)



(2)

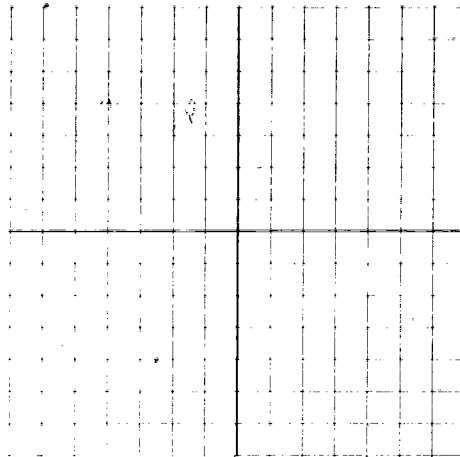


(3)



93. A B

94.



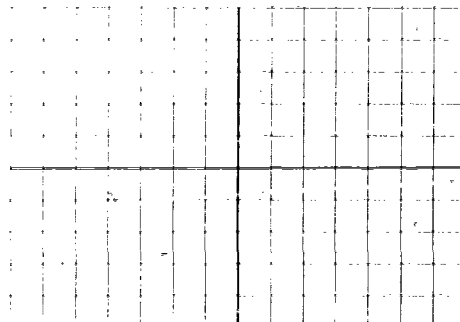
95.

\_\_\_\_\_

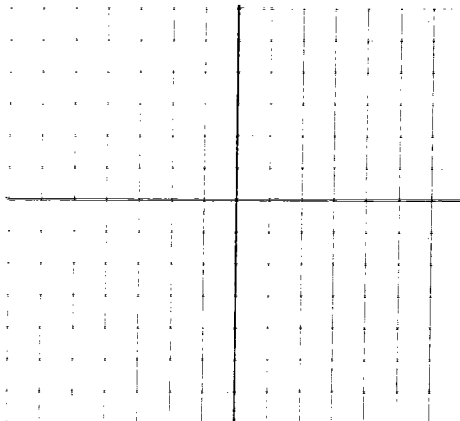
96.

\_\_\_\_\_

97.

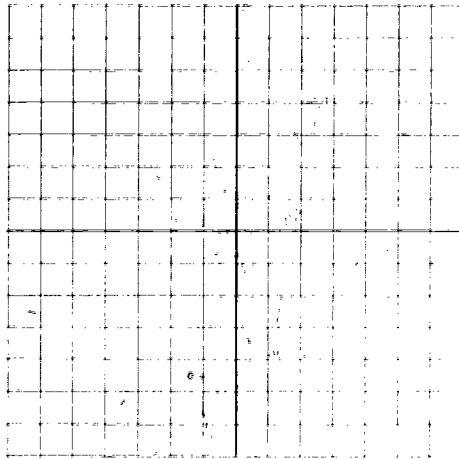


98.





99.



100. \_\_\_\_\_

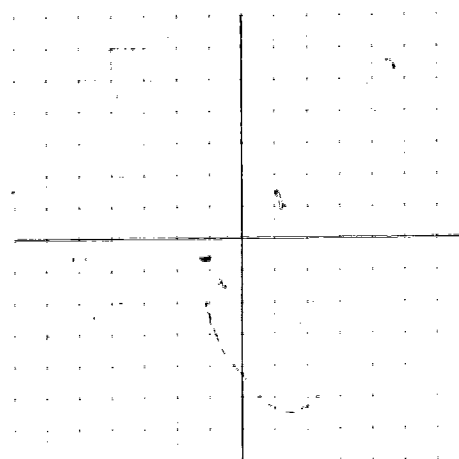
101. \_\_\_\_\_

102. \_\_\_\_\_

103.

x	-5	-3	-1	0	1	3	5
x	5	3	1	0	1	3	5
y	0	0	0	5	5	0	0
y	0	0	0	5	-5	0	0

104.



Name \_\_\_\_\_

Date \_\_\_\_\_

**21-3. Graphs of Open Sentences Involving Integers Only**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

8. A B C

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

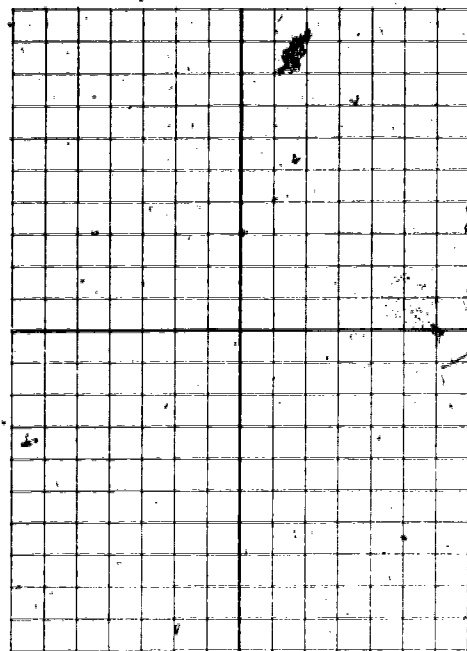
12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

7.



16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

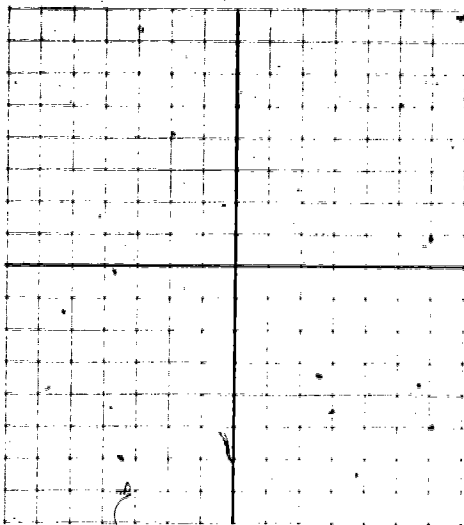
19. \_\_\_\_\_

20. A B C

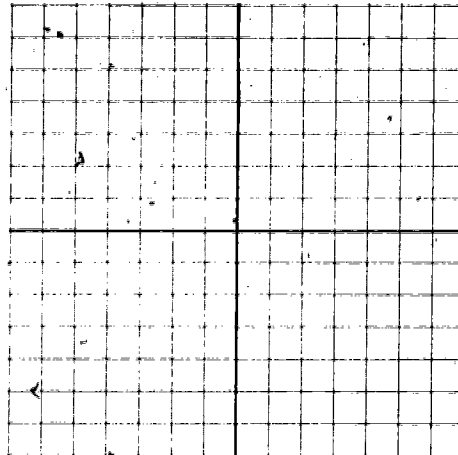
21. A B C

22. A B C

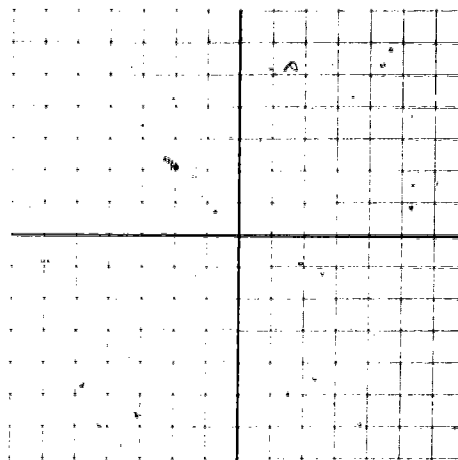
23.



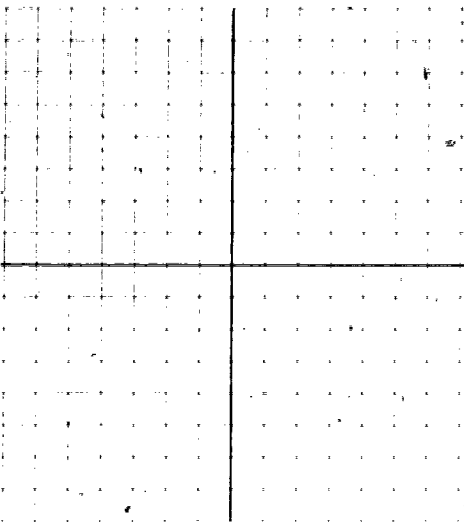
25.



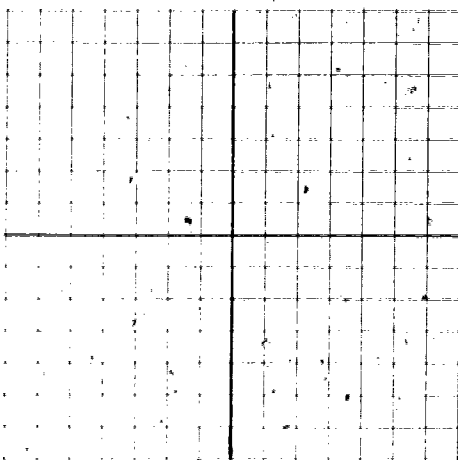
26.



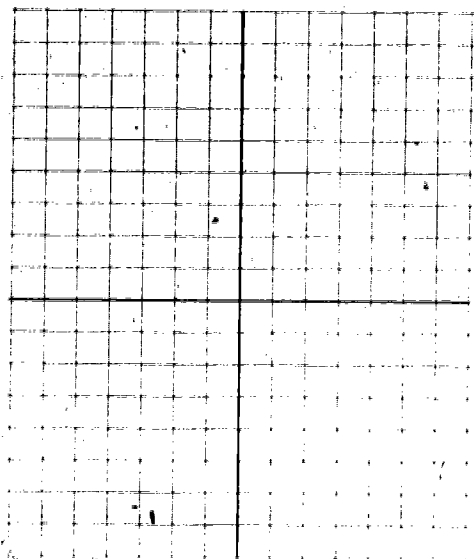
24.



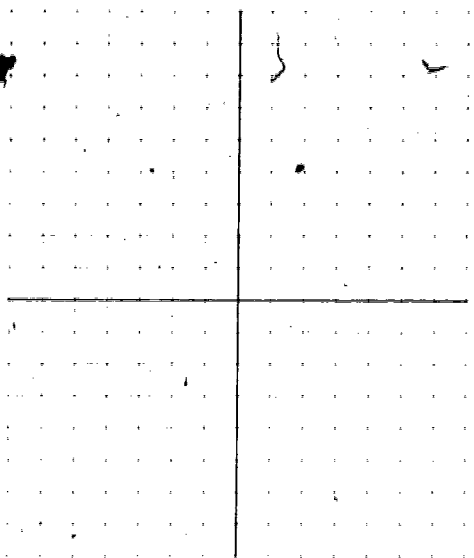
27.



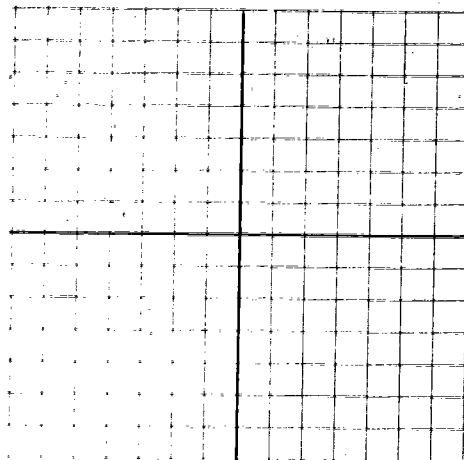
28.



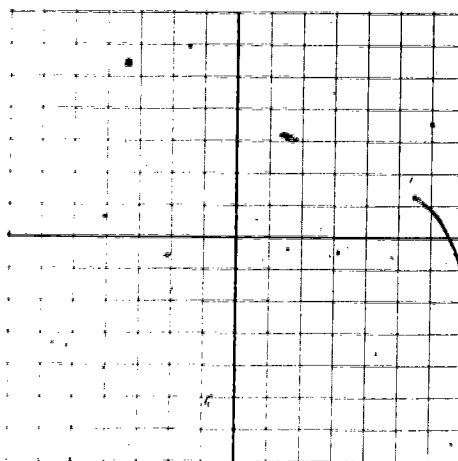
29.



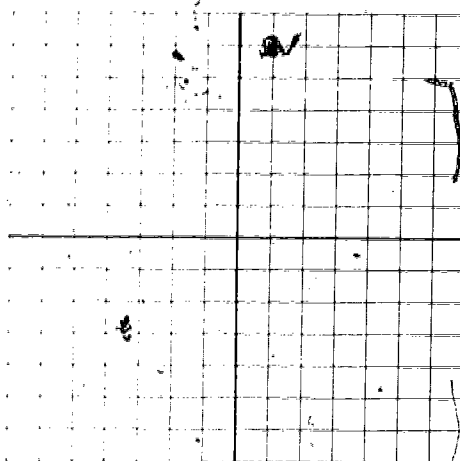
30.



31.



32.



- 33. \_\_\_\_\_
- 34. \_\_\_\_\_
- 35. \_\_\_\_\_
- 36. \_\_\_\_\_
- 37. \_\_\_\_\_
- 38. \_\_\_\_\_
- 39. \_\_\_\_\_
- 40. \_\_\_\_\_

Name \_\_\_\_\_

Date \_\_\_\_\_

22-1. Systems of Equations

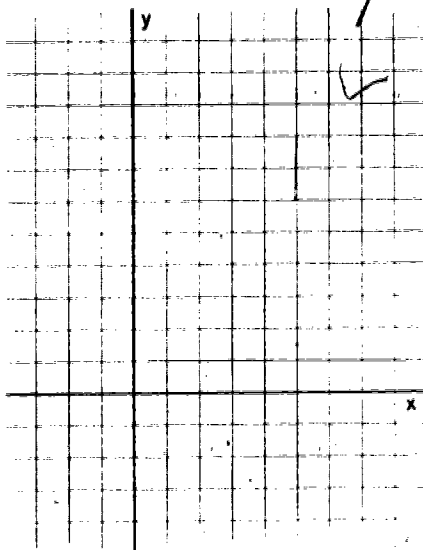
1. A B

2. \_\_\_\_\_

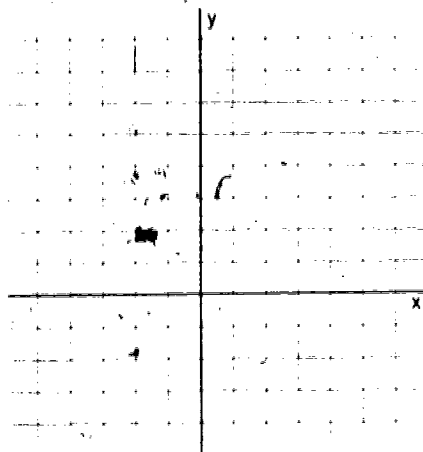
3. \_\_\_\_\_

4. \_\_\_\_\_

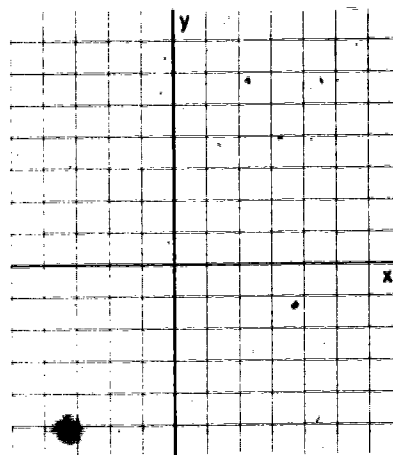
5.



6.



7.



8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

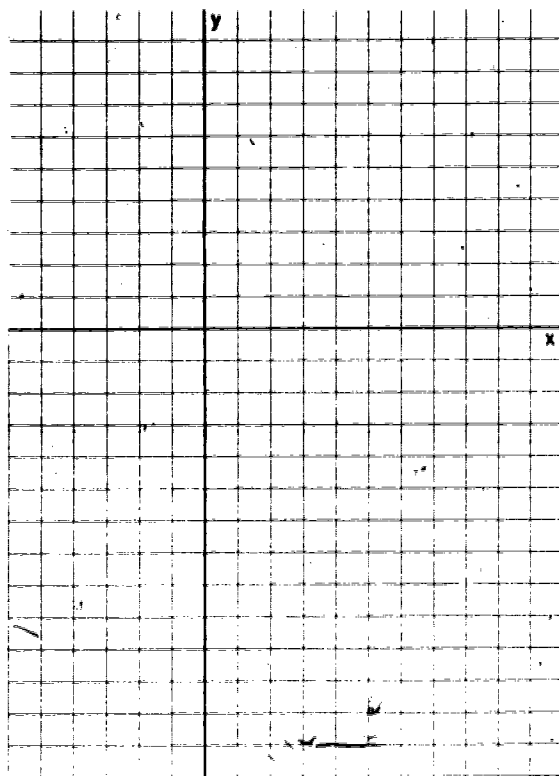
14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

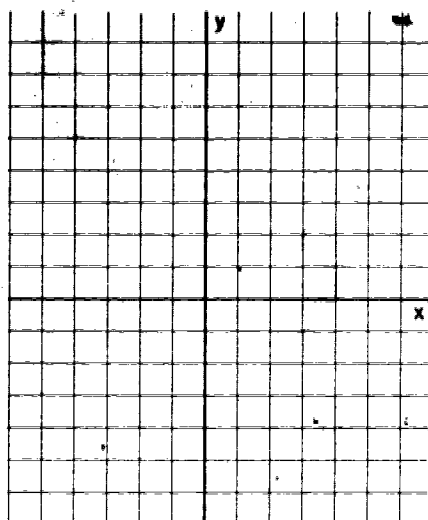
18.



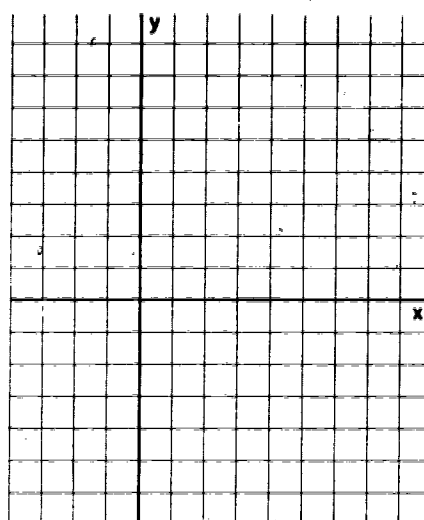
19. \_\_\_\_\_

20. \_\_\_\_\_

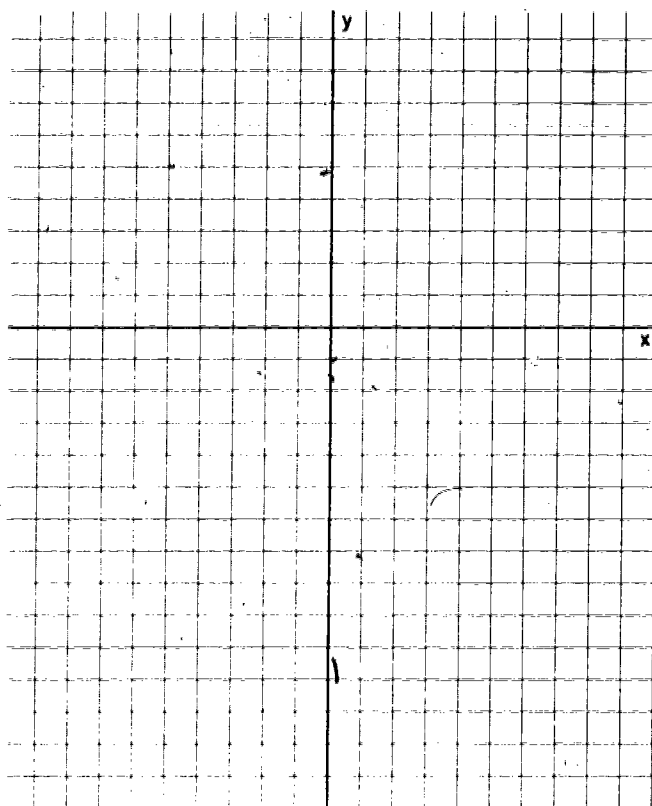
21.



23.

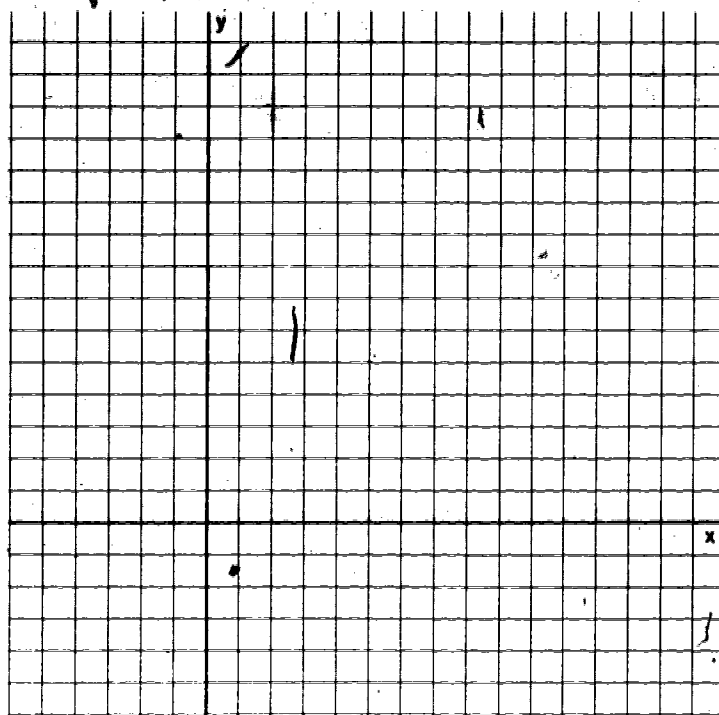


22.





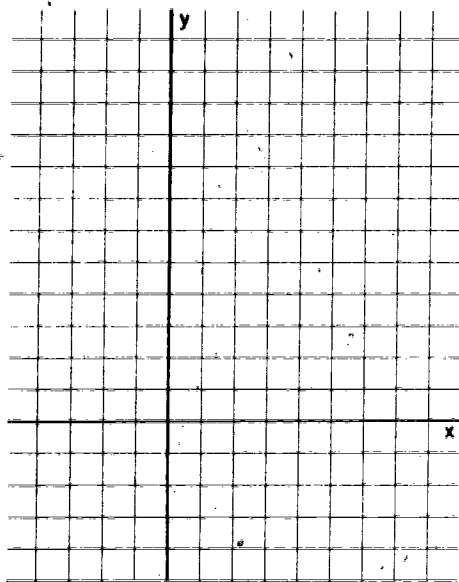
24.



25. \_\_\_\_\_

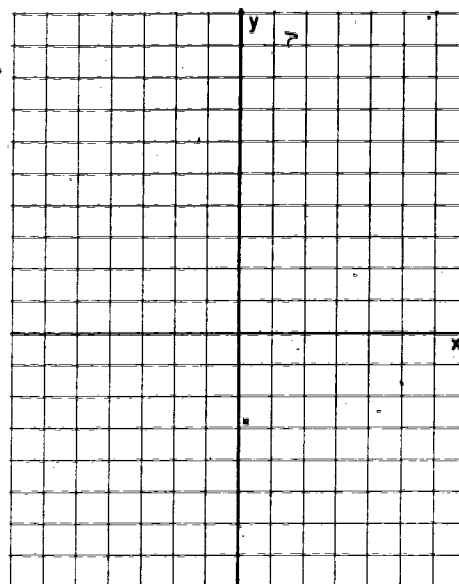
26. \_\_\_\_\_

27.



28. \_\_\_\_\_, \_\_\_\_\_

29.



30. \_\_\_\_\_

31. \_\_\_\_\_

- 32. \_\_\_\_\_
- 33. \_\_\_\_\_
- 34. \_\_\_\_\_
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- 40. \_\_\_\_\_
- 41. \_\_\_\_\_
- 42. \_\_\_\_\_
- 43. \_\_\_\_\_
- 44. \_\_\_\_\_
- 45. \_\_\_\_\_
- 46. \_\_\_\_\_
- 47. \_\_\_\_\_

- 48. \_\_\_\_\_
- 49. \_\_\_\_\_
- 50. \_\_\_\_\_
- 51. \_\_\_\_\_
- 52. \_\_\_\_\_
- 53. \_\_\_\_\_
- 54. \_\_\_\_\_

- 55. \_\_\_\_\_
- 56. \_\_\_\_\_



Name \_\_\_\_\_

Date \_\_\_\_\_

**22-2. Systems of Equations (Continued)**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_

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60. \_\_\_\_\_ and \_\_\_\_\_

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\*62. \_\_\_\_\_

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22-3. Parallel and Coincident Lines; Solution by Substitution

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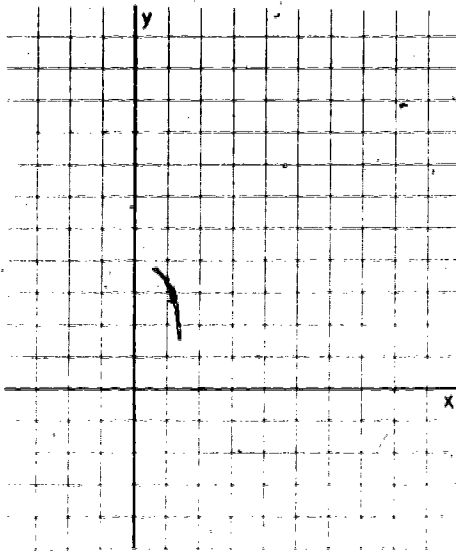
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41. A B C D

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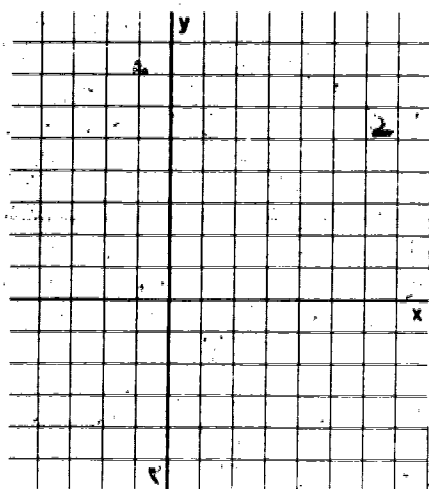
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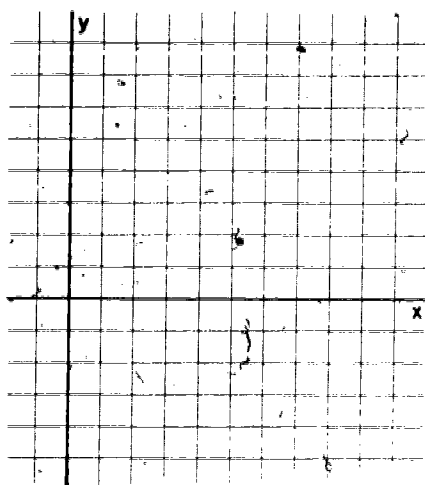
22-4. Systems of Inequalities

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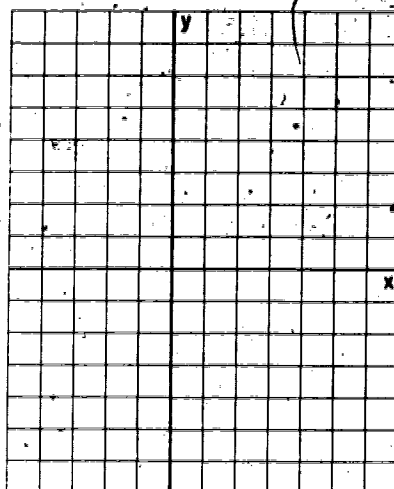
6.



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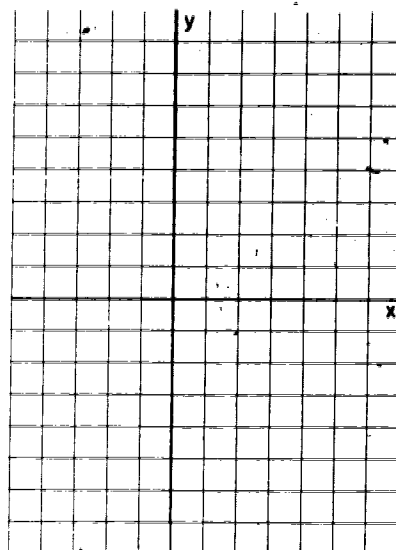
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9. A B C D

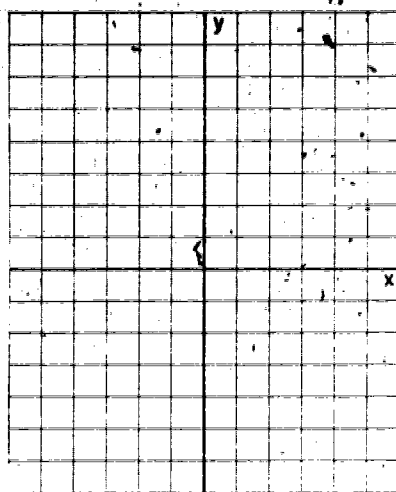
10. A B C

11.

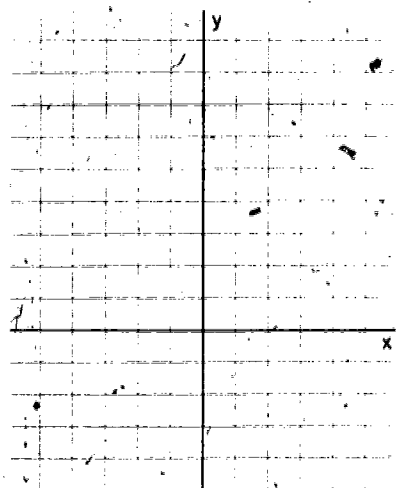




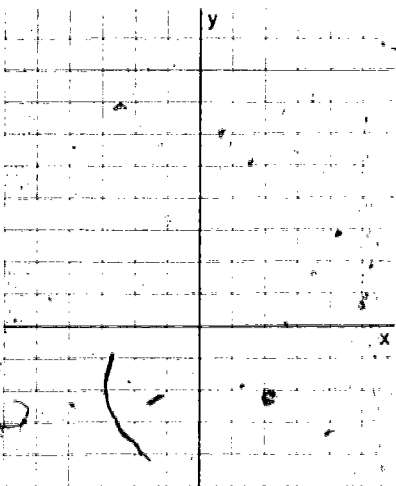
12.



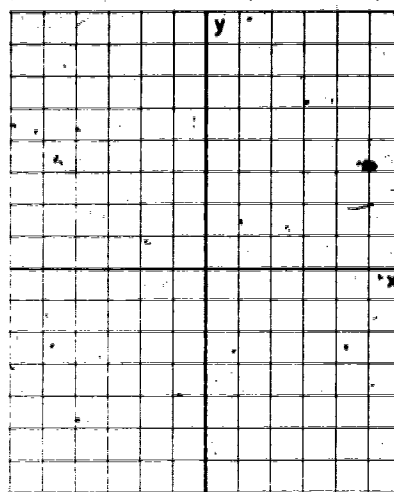
13.



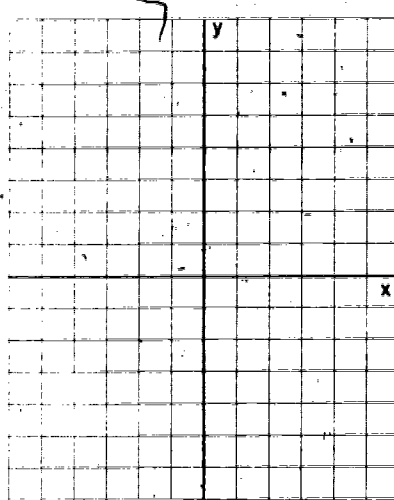
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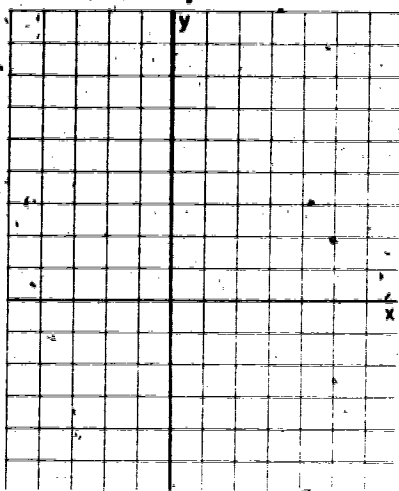
19.

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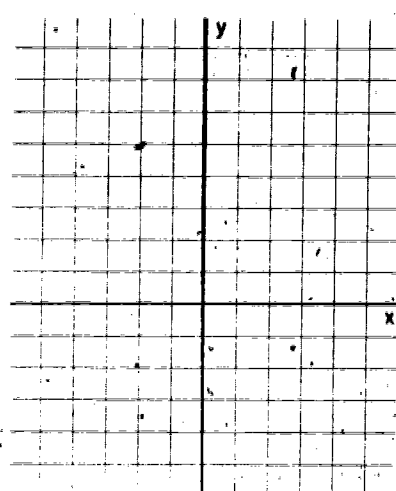
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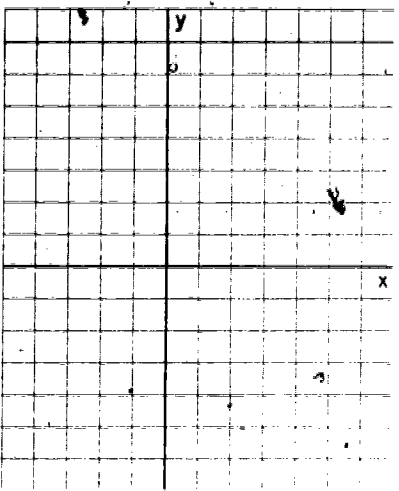
21.



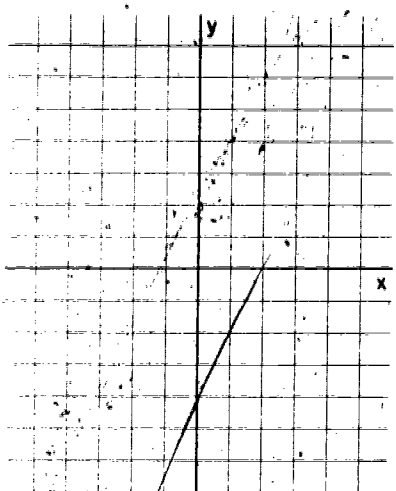
24.



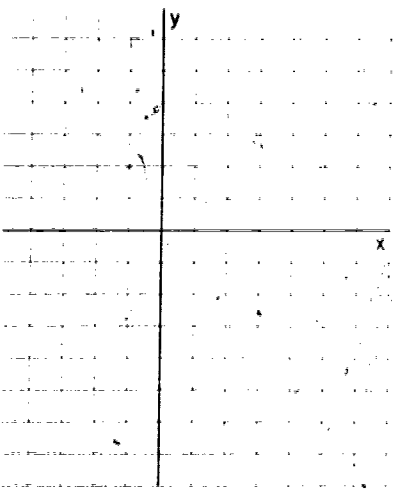
22.



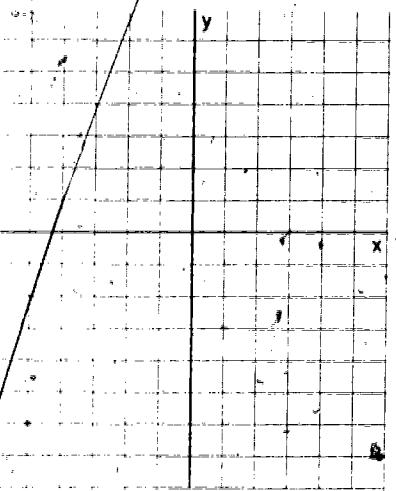
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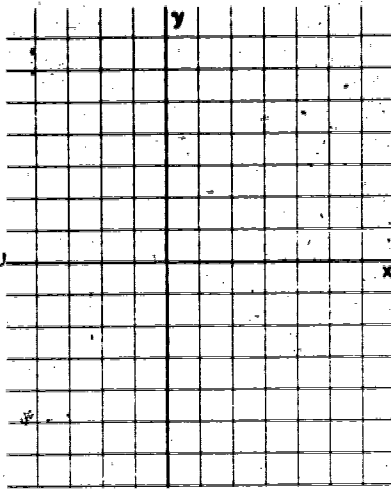
23.



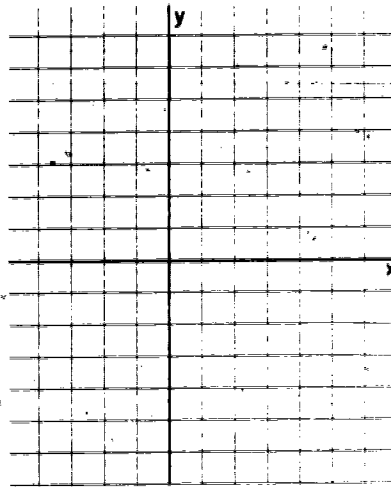
26.



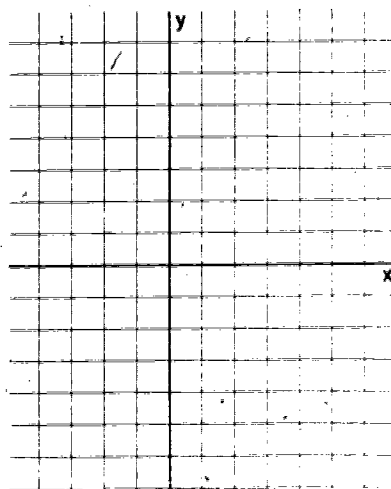
27.



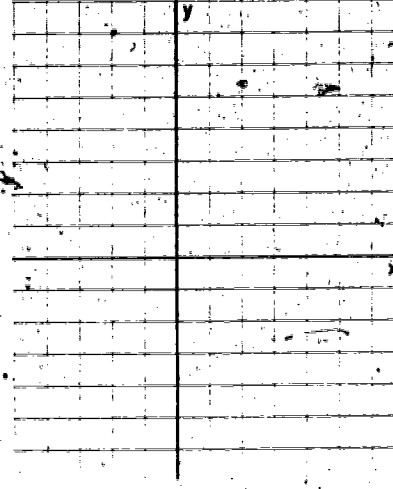
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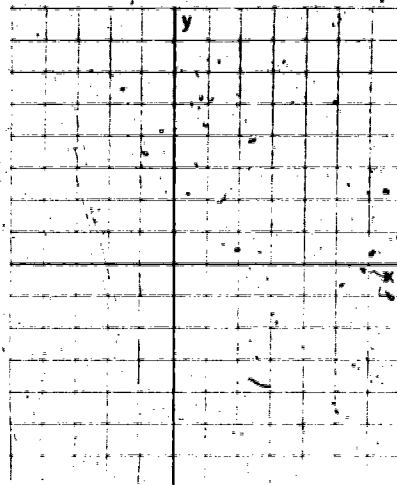
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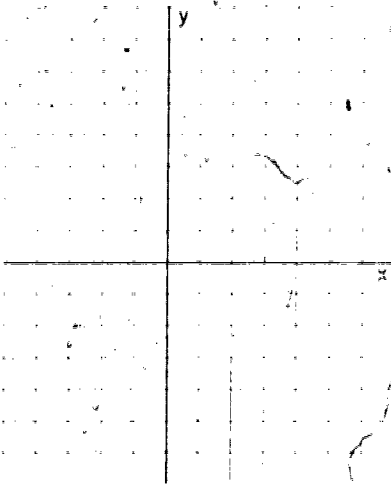
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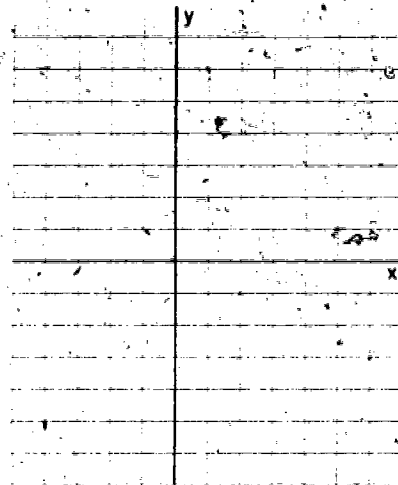
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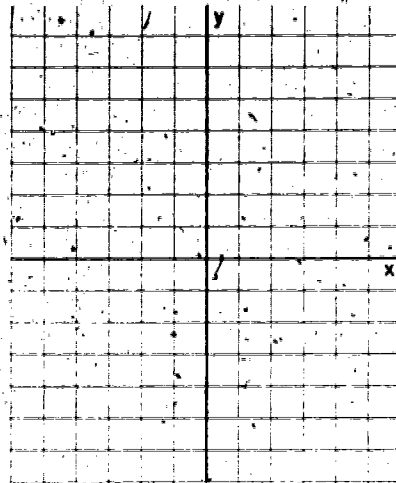
331.

332.

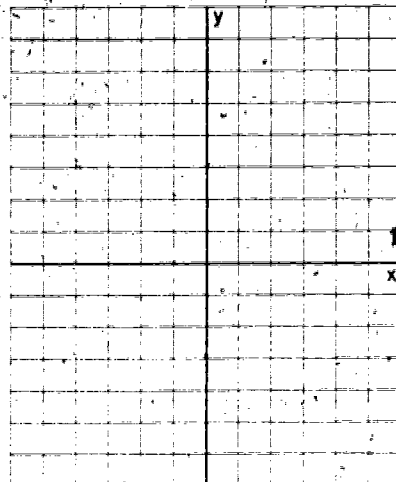
333.

67. \_\_\_\_\_

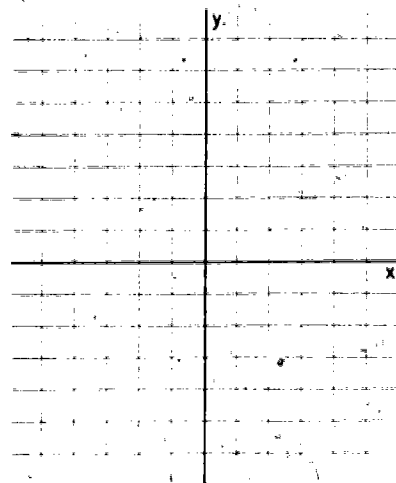
68. \_\_\_\_\_



69. \_\_\_\_\_



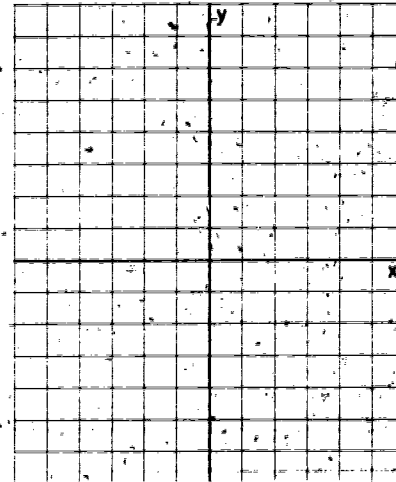
70. \_\_\_\_\_



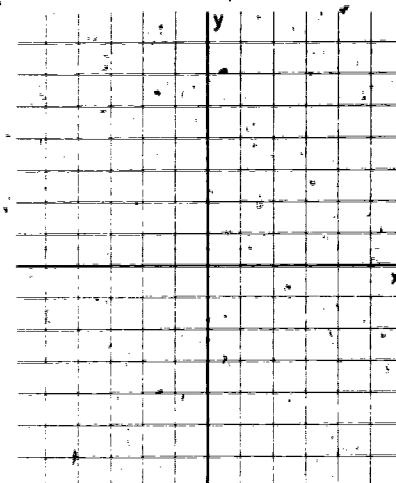
71. \_\_\_\_\_

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\*74. \_\_\_\_\_



Name \_\_\_\_\_

Date \_\_\_\_\_

23-1. Graphs of Equations of the Form  $y = ax^2 + k$ 

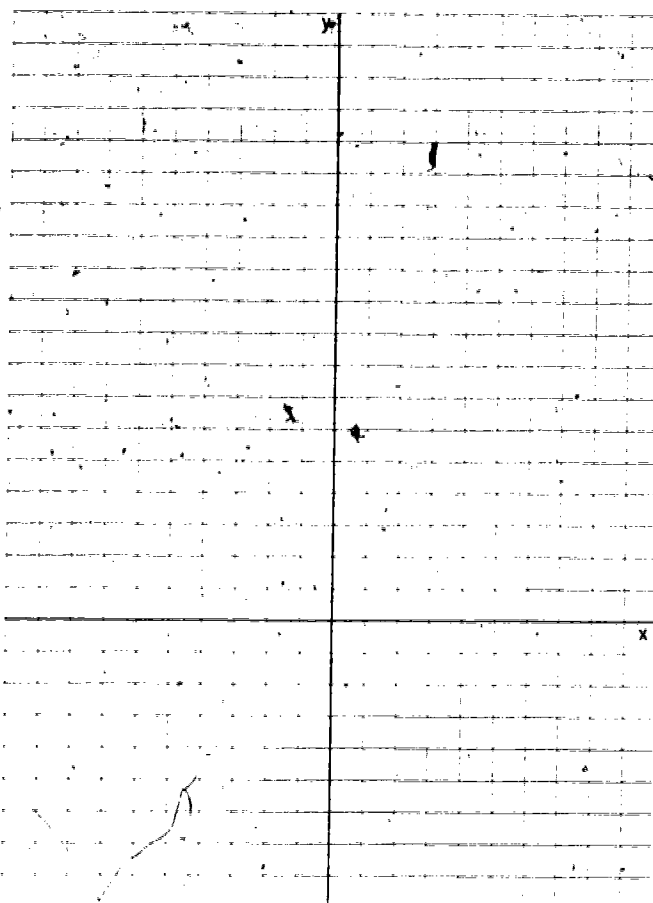
1. \_\_\_\_\_

2. \_\_\_\_\_

3.

x	-3	-2	-1	$-\frac{1}{2}$	0	$\frac{1}{2}$	1	2	3
y					0				

4.



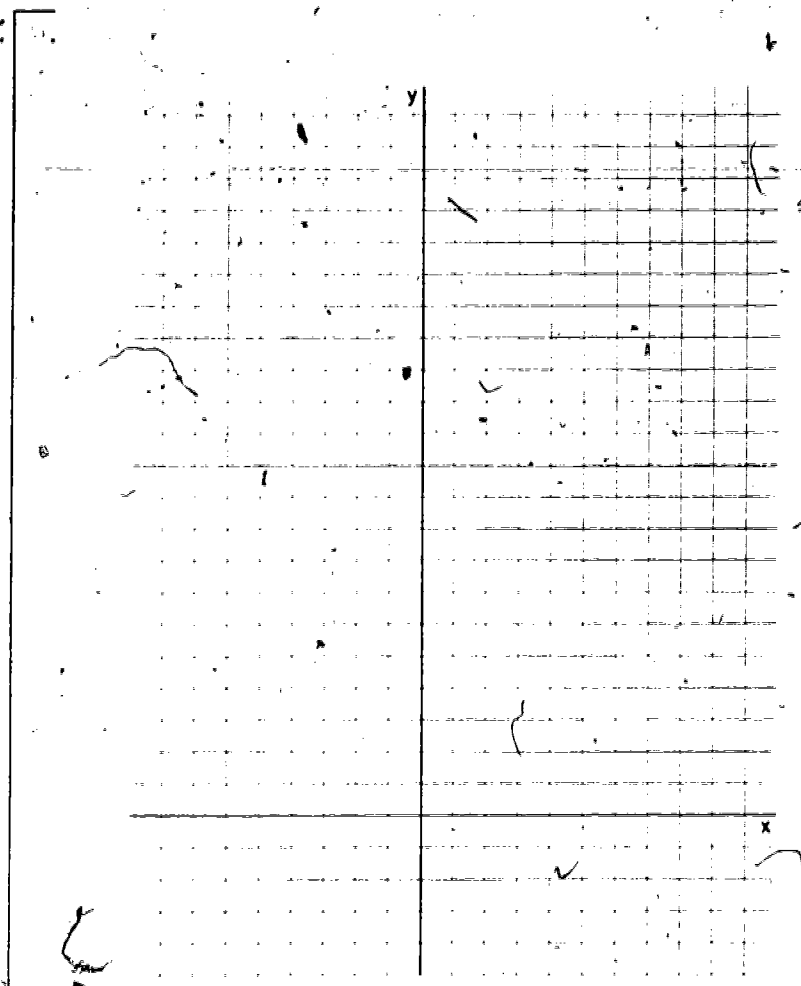
5. A B

6. \_\_\_\_\_

7. \_\_\_\_\_

8.

x	-4	-2	$-\frac{3}{2}$	-1	$-\frac{1}{2}$		$\frac{1}{2}$	$\frac{3}{2}$	2	
$x^2$										
$\frac{1}{2}x^2$										
$2x^2$						0				18



10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

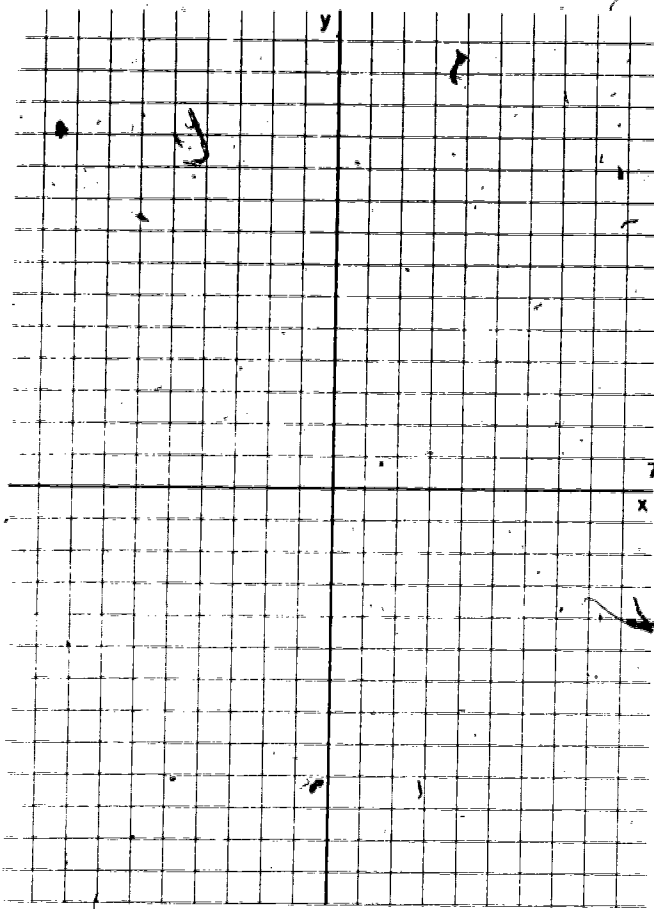
16. \_\_\_\_\_

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20.





21. A B C

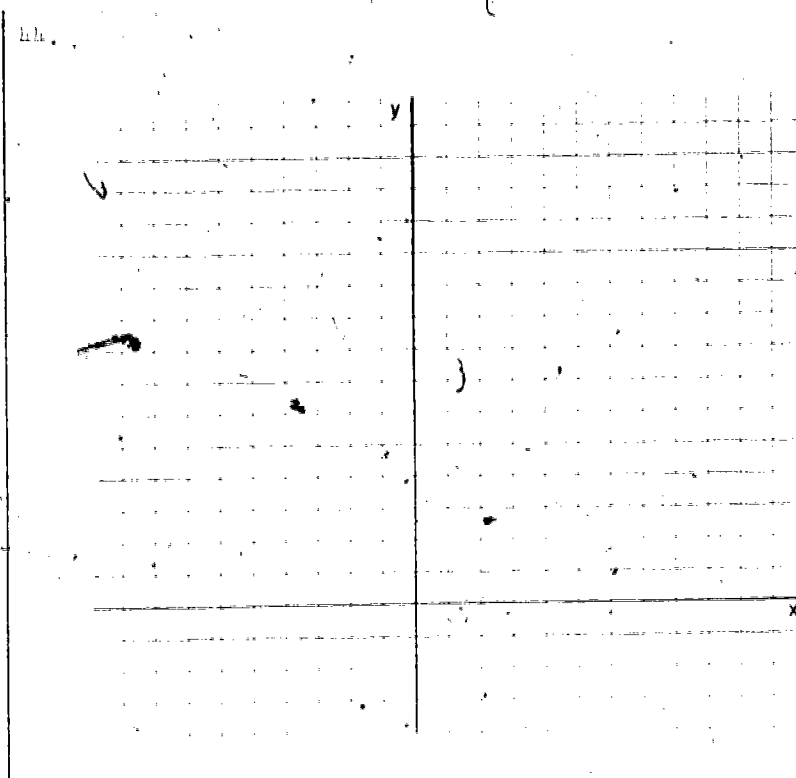
22. \_\_\_\_\_  
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 42. \_\_\_\_\_

43.

x	-3	-2	-1	$-\frac{1}{2}$	0	$\frac{1}{2}$	1	2	3
$x^2$									
$x^2 + 3$									

44.

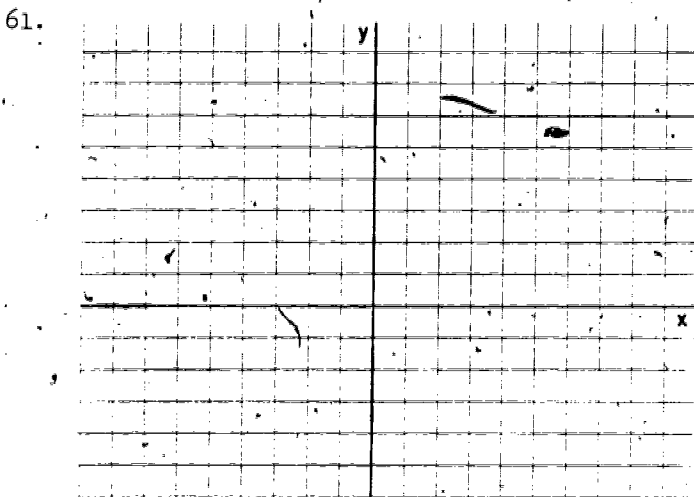


45. \_\_\_\_\_  
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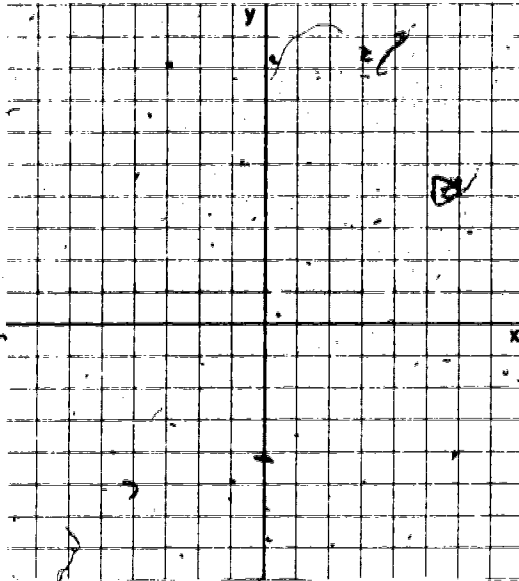
62. \_\_\_\_\_

63. \_\_\_\_\_

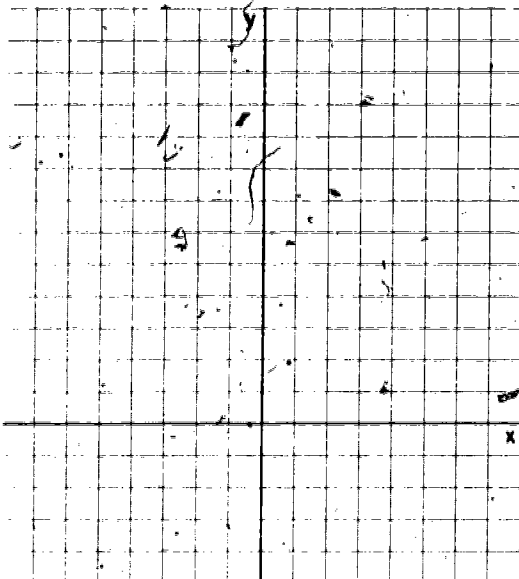
64. \_\_\_\_\_

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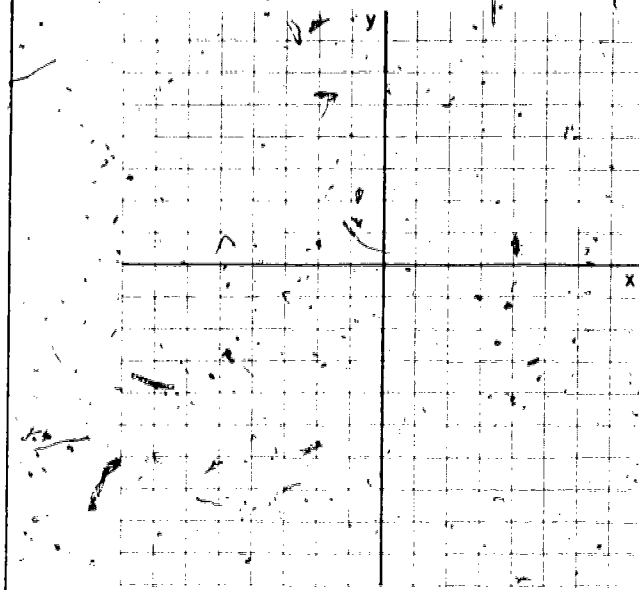
66, 67.



68, 69, 70.



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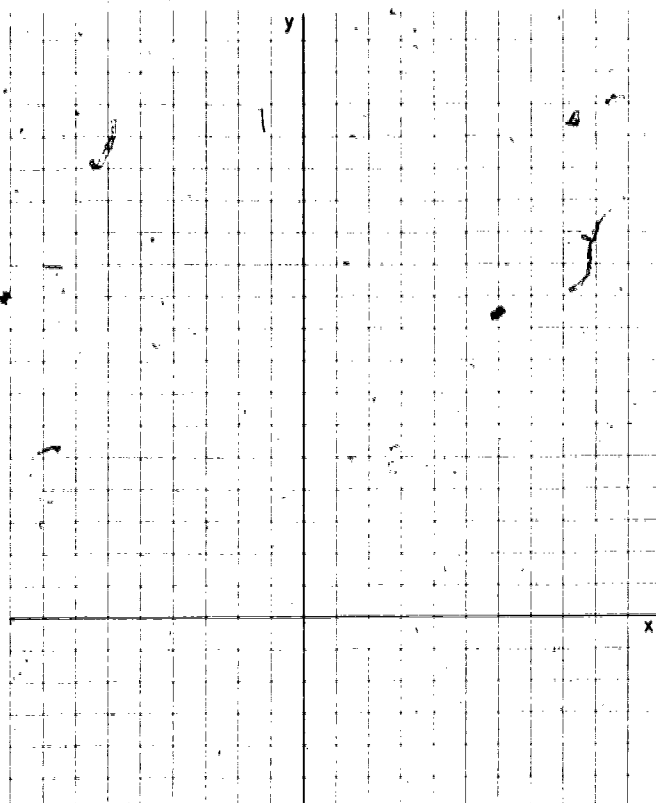
Name \_\_\_\_\_

Date \_\_\_\_\_

2. Graphs of Equations of the Form  $y = a(x - h)^2 + k$ 

1.	x	-2	-1	0	1	2	3	4	5	6
	$x^2$	4								
	$(x-3)^2$	25								

2.



3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

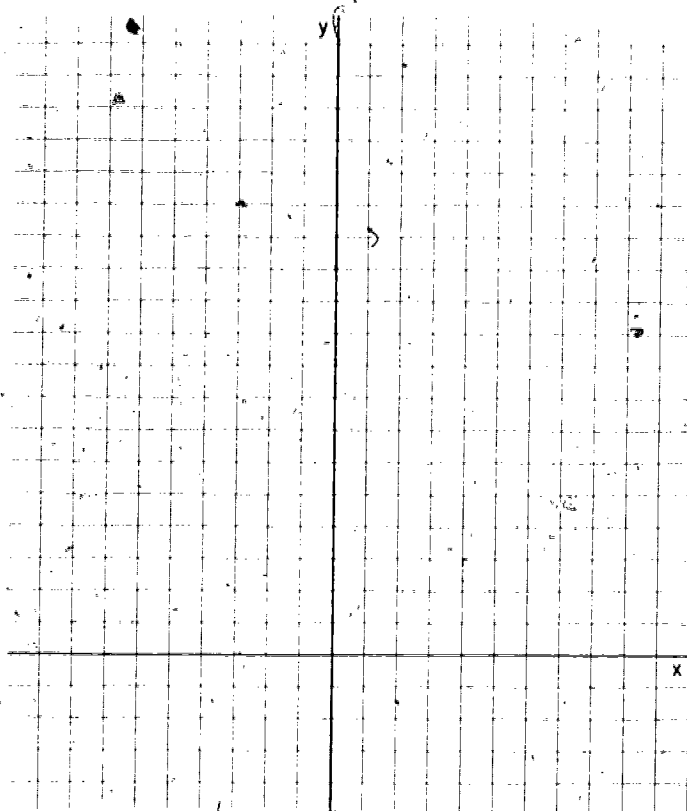
8. \_\_\_\_\_

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40. \_\_\_\_\_

41. \_\_\_\_\_

42. \_\_\_\_\_

43. \_\_\_\_\_

\*44. \_\_\_\_\_

\*45. \_\_\_\_\_

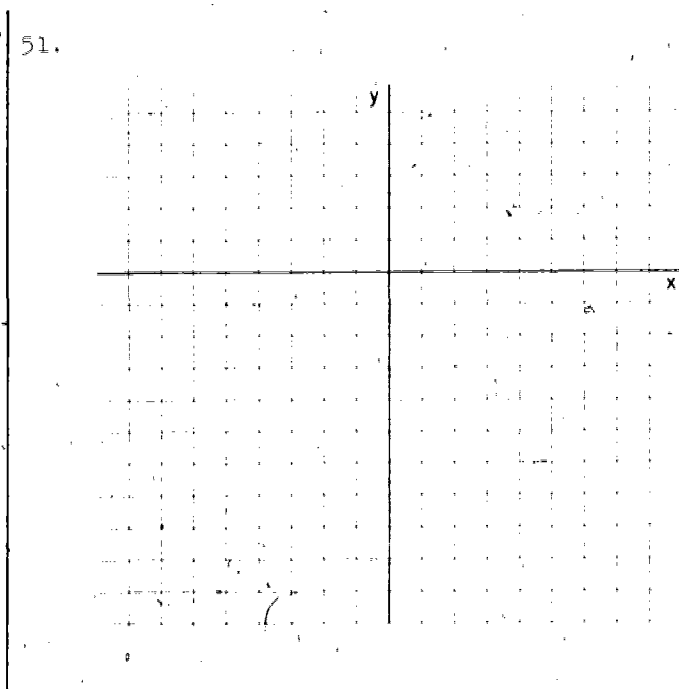
\*46. \_\_\_\_\_

\*47. \_\_\_\_\_

\*48. \_\_\_\_\_

49. \_\_\_\_\_

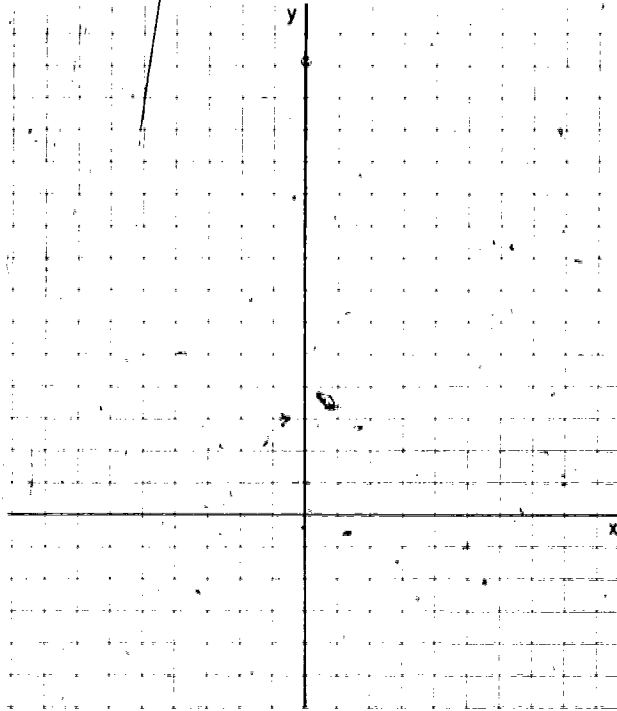
50. \_\_\_\_\_



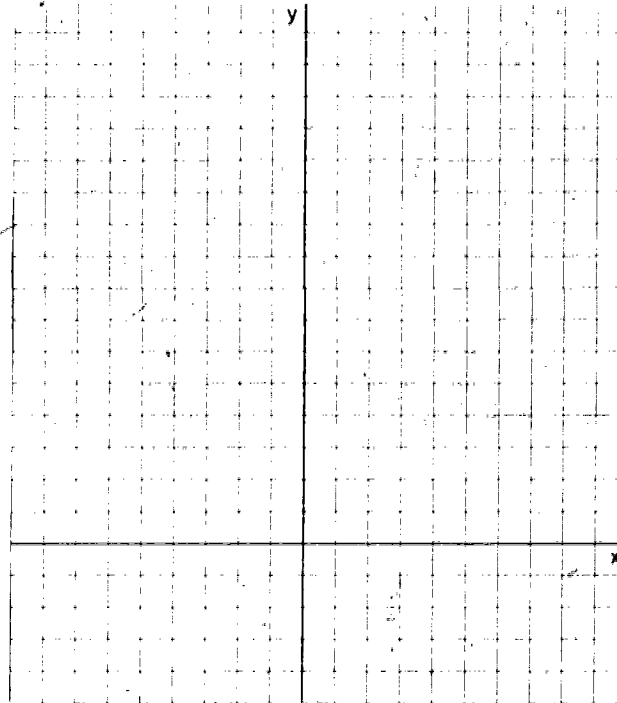
52.

53.

54.

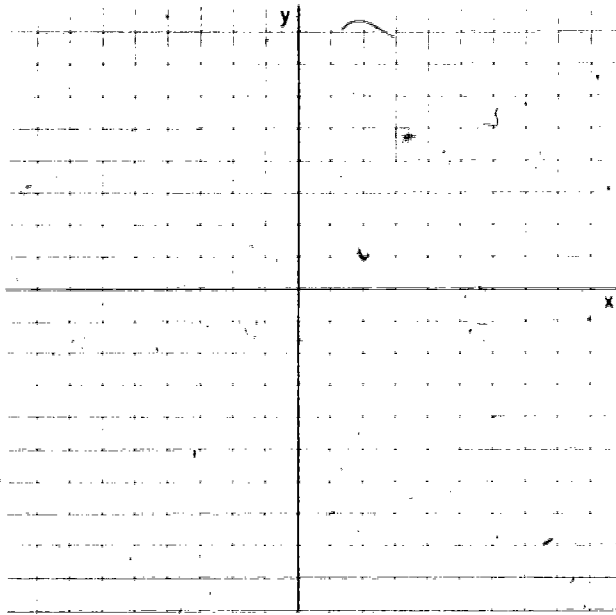


55.



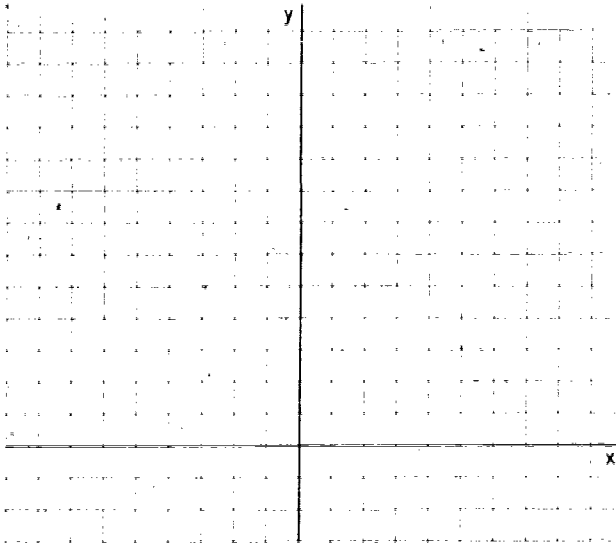


56.



57.


58.



2

59.


✓

Name \_\_\_\_\_ Date \_\_\_\_\_

23-3. Quadratic Polynomials of the Form  $y = ax^2 + bx + c$

1. _____	25. _____
2. _____	26. _____
3. _____	27. _____
4. _____	28. _____
5. _____	29. _____
6. _____	30. _____
7. _____	31. _____
8. _____	32. _____
9. _____	33. _____
10. _____	34. _____
11. _____	35. _____
12. _____	36. _____
13. _____	37. _____
14. _____	38. _____
15. _____	39. _____
16. _____	40. _____
17. _____	41. _____
18. _____	42. _____
19. _____	43. _____
20. _____	44. _____
21. _____	45. _____
22. _____	46. _____
23. _____	47. _____
24. _____	48. _____

*42.	_____
*50.	_____
*51.	_____

Name \_\_\_\_\_ Date \_\_\_\_\_

23-4. Summary and Review

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
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17. \_\_\_\_\_
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23. \_\_\_\_\_
24. \_\_\_\_\_

Name \_\_\_\_\_ Date \_\_\_\_\_

24-1. The Function Concept

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_

7. \_\_\_\_\_  
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9. \_\_\_\_\_  
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12. \_\_\_\_\_  
13. \_\_\_\_\_  
14. \_\_\_\_\_

15. \_\_\_\_\_  
16. \_\_\_\_\_  
17. \_\_\_\_\_

18. \_\_\_\_\_  
19. \_\_\_\_\_  
20. \_\_\_\_\_  
21. \_\_\_\_\_  
22. \_\_\_\_\_

23. A B C D

24. \_\_\_\_\_  
25. \_\_\_\_\_  
26. \_\_\_\_\_  
27. \_\_\_\_\_  
28. \_\_\_\_\_  
29. \_\_\_\_\_  
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51. \_\_\_\_\_  
52. \_\_\_\_\_

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55. \_\_\_\_\_  
56. \_\_\_\_\_  
57. \_\_\_\_\_  
58. \_\_\_\_\_  
59. \_\_\_\_\_

60. A B C D

61. \_\_\_\_\_  
62. \_\_\_\_\_  
63. \_\_\_\_\_  
64. \_\_\_\_\_

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98. \_\_\_\_\_  
99. \_\_\_\_\_  
100. \_\_\_\_\_

Name \_\_\_\_\_ Date \_\_\_\_\_

24-2. The Function Notation

1. \_\_\_\_\_  
2. \_\_\_\_\_

3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_

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8. \_\_\_\_\_  
9. \_\_\_\_\_

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12. \_\_\_\_\_  
13. \_\_\_\_\_  
14. \_\_\_\_\_  
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16. \_\_\_\_\_  
17. \_\_\_\_\_  
18. \_\_\_\_\_  
19. \_\_\_\_\_  
20. \_\_\_\_\_  
21. \_\_\_\_\_

22. A B C

23. \_\_\_\_\_  
24. \_\_\_\_\_  
25. \_\_\_\_\_  
26. \_\_\_\_\_  
27. \_\_\_\_\_  
28. \_\_\_\_\_

29. \_\_\_\_\_  
30. \_\_\_\_\_  
31. \_\_\_\_\_  
32. \_\_\_\_\_  
33. ✓ \_\_\_\_\_  
34. \_\_\_\_\_  
35. \_\_\_\_\_  
36. \_\_\_\_\_  
37. \_\_\_\_\_  
38. \_\_\_\_\_  
39. \_\_\_\_\_  
40. \_\_\_\_\_

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43. \_\_\_\_\_  
44. \_\_\_\_\_  
45. \_\_\_\_\_

46. \_\_\_\_\_  
47. \_\_\_\_\_



48. \_\_\_\_\_  
49. \_\_\_\_\_  
50. \_\_\_\_\_

51. \_\_\_\_\_  
52. \_\_\_\_\_  
53. \_\_\_\_\_  
54. \_\_\_\_\_  
55. \_\_\_\_\_  
56. \_\_\_\_\_

57. A B C

58. A B C

59. \_\_\_\_\_  
60. \_\_\_\_\_  
61. \_\_\_\_\_  
62. \_\_\_\_\_  
63. \_\_\_\_\_  
64. \_\_\_\_\_  
65. \_\_\_\_\_  
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78. \_\_\_\_\_  
79. \_\_\_\_\_  
80. \_\_\_\_\_  
81. \_\_\_\_\_  
82. \_\_\_\_\_



Name \_\_\_\_\_

Date \_\_\_\_\_

24-3. Graphs of Functions

1. \_\_\_\_\_

2. \_\_\_\_\_

3. 

4. A B

5. 6. 

7. A B C

8. 

9. \_\_\_\_\_

10. \_\_\_\_\_

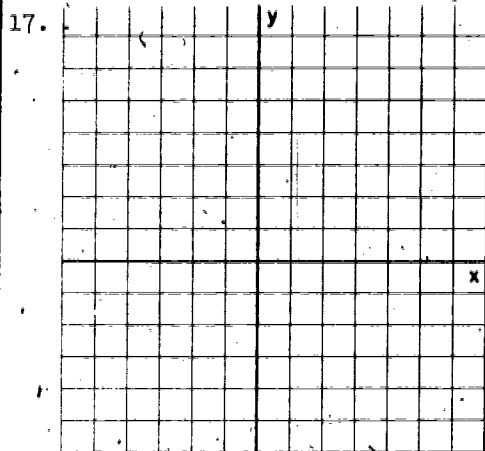
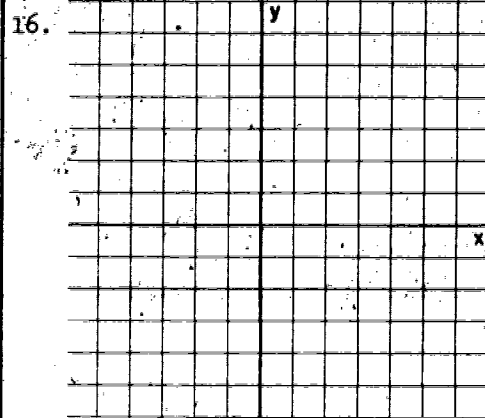
11. 

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_



18. \_\_\_\_\_

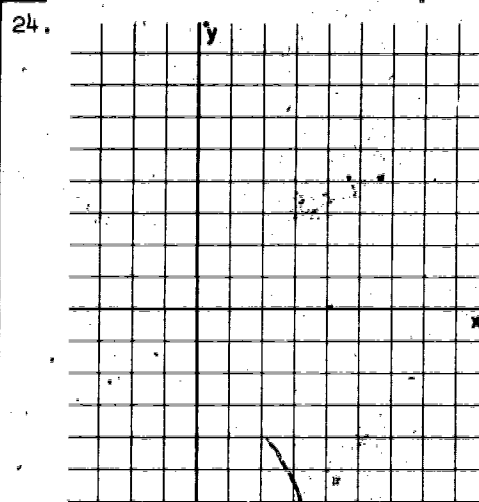
19. \_\_\_\_\_

20. \_\_\_\_\_

21. \_\_\_\_\_

22. \_\_\_\_\_

23. \_\_\_\_\_



25. \_\_\_\_\_

26. \_\_\_\_\_

27. \_\_\_\_\_

28. A B C D

29. \_\_\_\_\_

30. \_\_\_\_\_

31. \_\_\_\_\_

32. \_\_\_\_\_

33. \_\_\_\_\_

34. \_\_\_\_\_

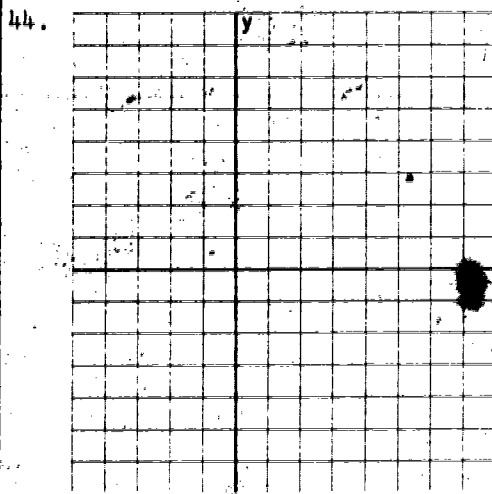
35. \_\_\_\_\_

36. \_\_\_\_\_

37. \_\_\_\_\_

38. A B C D E

39. \_\_\_\_\_  
40. \_\_\_\_\_  
41. \_\_\_\_\_  
42. \_\_\_\_\_  
43. \_\_\_\_\_



45. \_\_\_\_\_

Name \_\_\_\_\_

Date \_\_\_\_\_

29-4. Linear and Quadratic Functions

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. A B

8. A B

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

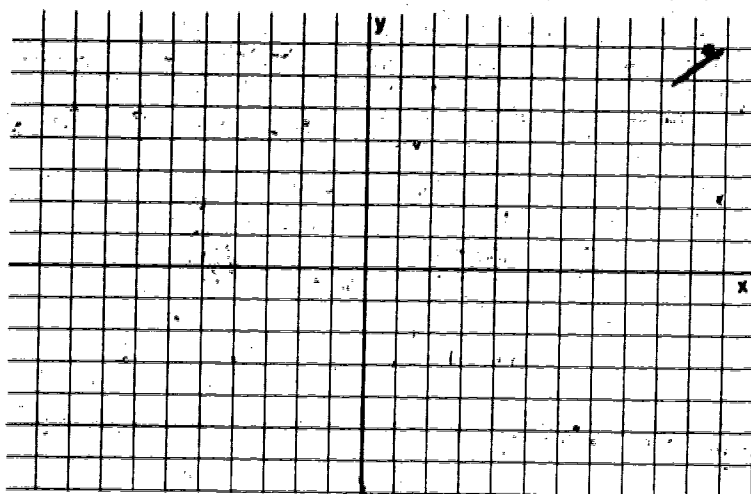
17. \_\_\_\_\_

18.

x	$\frac{1}{3}$	$\frac{1}{2}$	1	2	3	4	$-\frac{1}{3}$	$-\frac{1}{2}$	-1	-2	-3	-4
y												

19. A B

20.



21.

22.

23.

24.

25.

26.

27.

28.

29.

30.

31.

32.

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49.

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