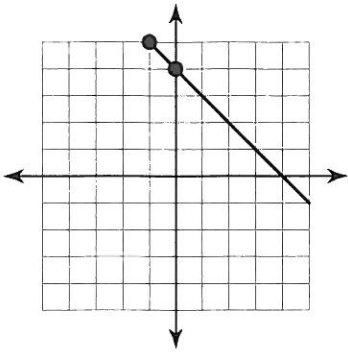


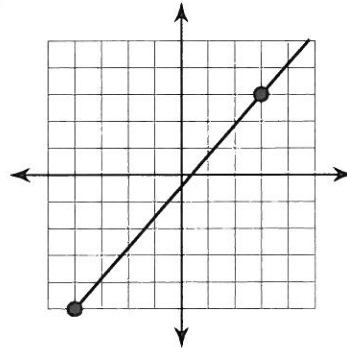
Study Guide for Test 5 - Graphing

Find the slope of each line.

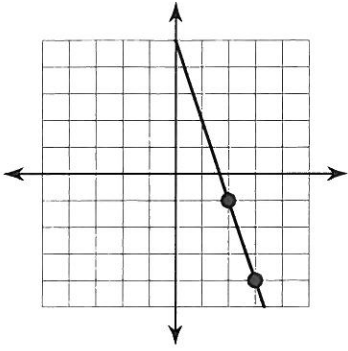
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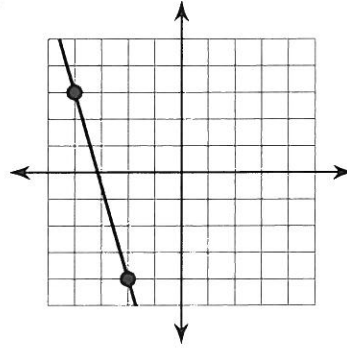
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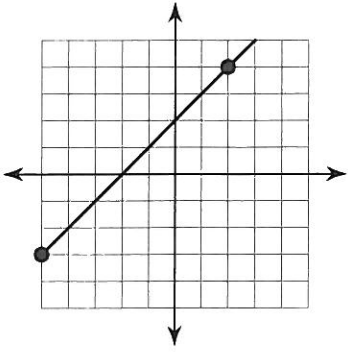
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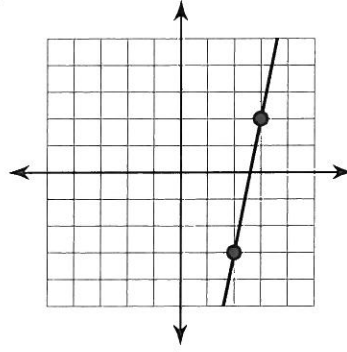
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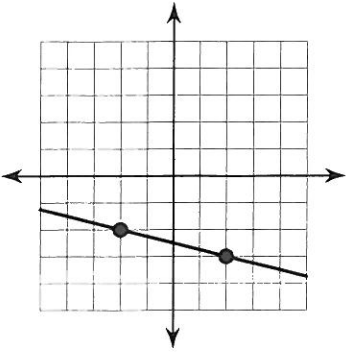
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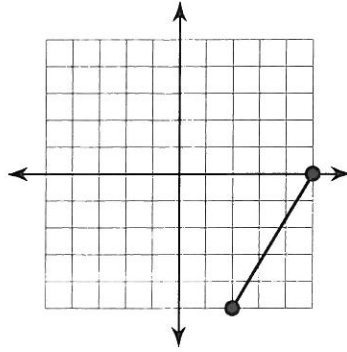
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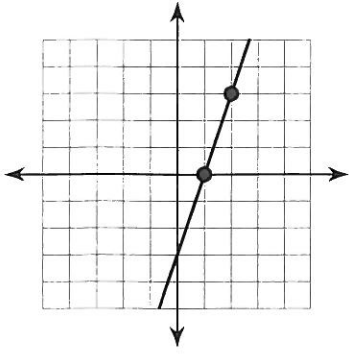
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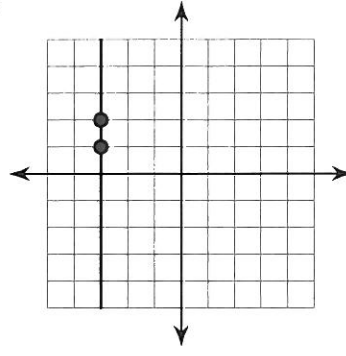
8)



9)



10)



Find the slope of the line through each pair of points.

11) $(8, 8), (-4, 17)$

12) $(11, -12), (5, -6)$

13) $(-5, -3), (-13, 0)$

14) $(-18, 17), (18, 14)$

15) $(20, 5), (9, -3)$

16) $(7, -16), (-9, -20)$

17) $(-6, 13), (-6, -18)$

18) $(-18, -8), (13, 18)$

19) $(6, 1), (-5, -17)$

20) $(19, 13), (4, 0)$

Sketch the graph of each line.

21) $y = x + 5$

22) $y = -3$

23) $x = 4$

24) $y = \frac{5}{2}x - 4$

$$25) x = 0$$

$$26) y = -\frac{7}{5}x - 5$$

$$27) y = -\frac{2}{3}x + 2$$

$$28) y = -x - 4$$

$$29) y = -\frac{4}{5}x$$

$$30) y = -\frac{3}{4}x - 1$$

WSketch the graph of each line in point-slope form.

$$31) y - 3 = -\frac{5}{2}(x + 2)$$

$$32) y + 1 = -\frac{1}{5}(x - 5)$$

$$33) y + 5 = -\frac{5}{2}(x - 2)$$

$$34) 0 = x - 5$$

$$35) y + 5 = -\frac{3}{2}(x - 2)$$

$$36) y - 2 = 0$$

$$37) y - 5 = -3(x + 1)$$

$$38) y + 2 = \frac{3}{4}(x + 4)$$

$$39) y + 2 = 3(x + 2)$$

$$40) y - 5 = -\frac{1}{2}(x + 2)$$

Find the slope of a line parallel to each given line.

41) $y = -\frac{5}{3}x + 5$

42) $y = -\frac{9}{2}x - 5$

43) $y = -2x - 5$

44) $y = \frac{3}{5}x - 4$

45) $y = -x - 3$

46) $y = -\frac{5}{2}x - 2$

47) $y = -\frac{3}{2}x - 2$

48) $y = -\frac{4}{3}x - 1$

49) $y = \frac{4}{5}x - 1$

50) $y = \frac{1}{2}x$

Find the slope of a line perpendicular to each given line.

51) $y = \frac{4}{5}x + 1$

52) $y = -x + 2$

53) $y = 3x + 3$

54) $y = -\frac{1}{2}x + 3$

55) $y = -\frac{4}{3}x + 4$

56) $y = -\frac{2}{3}x + 4$

57) $y = -3x - 5$

58) $y = \frac{4}{5}x - 5$

59) $y = -x - 4$

60) $y = -6x - 4$

Answers to Study Guide for Test 5 - Graphing

1) -1

2) $\frac{8}{7}$

3) -3

4) $-\frac{7}{2}$

5) 1

6) 5

7) $-\frac{1}{4}$

8) $\frac{5}{3}$

9) 3

10) Undefined

11) $-\frac{3}{4}$

12) -1

13) $-\frac{3}{8}$

14) $-\frac{1}{12}$

15) $\frac{8}{11}$

16) $\frac{1}{4}$

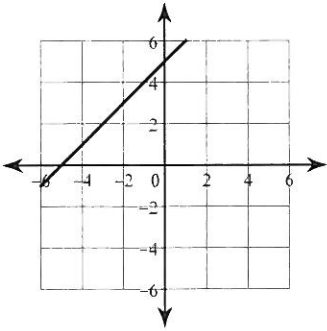
17) Undefined

18) $\frac{26}{31}$

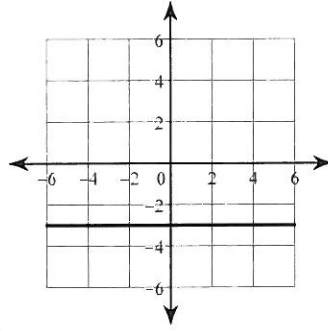
19) $\frac{18}{11}$

20) $\frac{13}{15}$

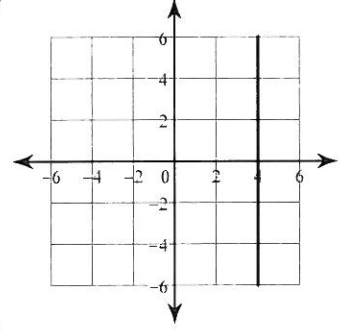
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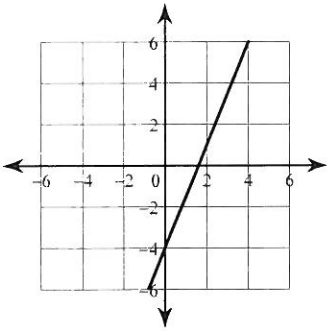
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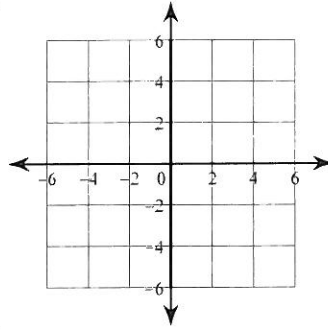
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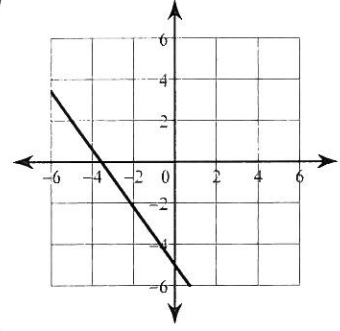
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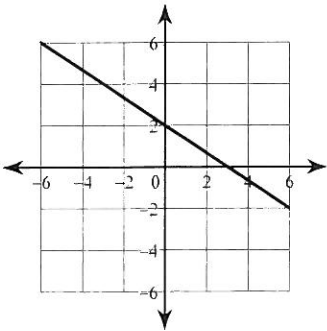
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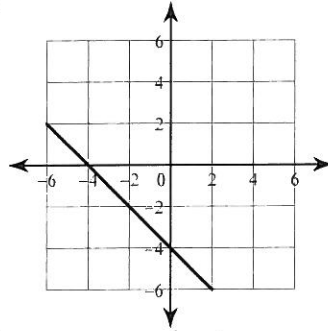
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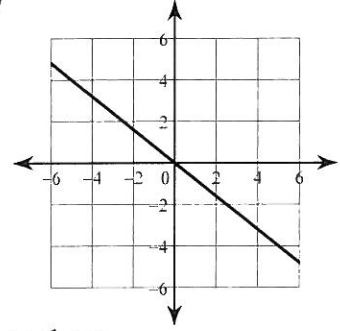
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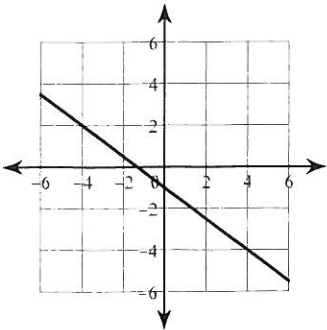
28)



29)



30)



31) see answer sheet

32) see answer sheet

33) see answer sheet

34) see answer sheet

35) see answer sheet

36) see answer sheet

37) see answer sheet

$$41) -\frac{5}{3}$$

$$45) -1$$

$$49) \frac{4}{5}$$

$$53) -\frac{1}{3}$$

$$57) \frac{1}{3}$$

38) see answer sheet

$$42) -\frac{9}{2}$$

$$46) -\frac{5}{2}$$

$$50) \frac{1}{2}$$

$$54) 2$$

$$58) -\frac{5}{4}$$

39) see answer sheet

$$43) -2$$

$$47) -\frac{3}{2}$$

$$51) -\frac{5}{4}$$

$$55) \frac{3}{4}$$

$$59) 1$$

40) see answer sheet

$$44) \frac{3}{5}$$

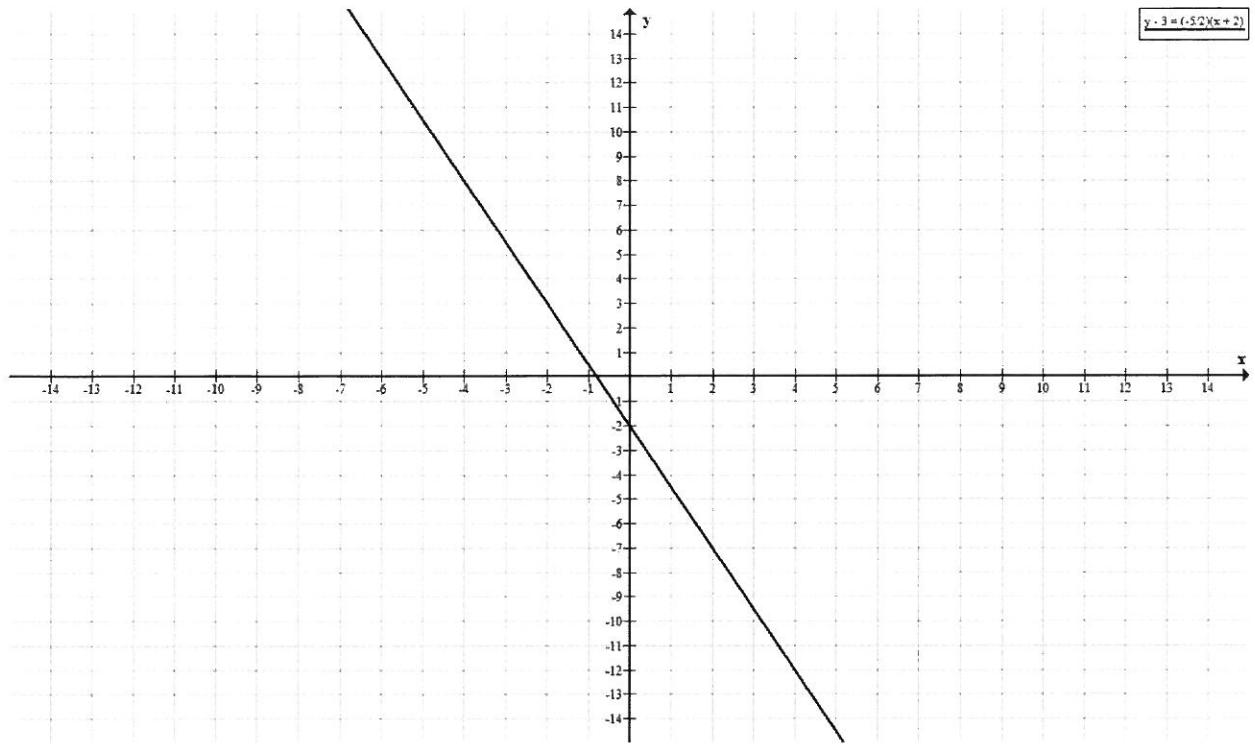
$$48) -\frac{4}{3}$$

$$52) 1$$

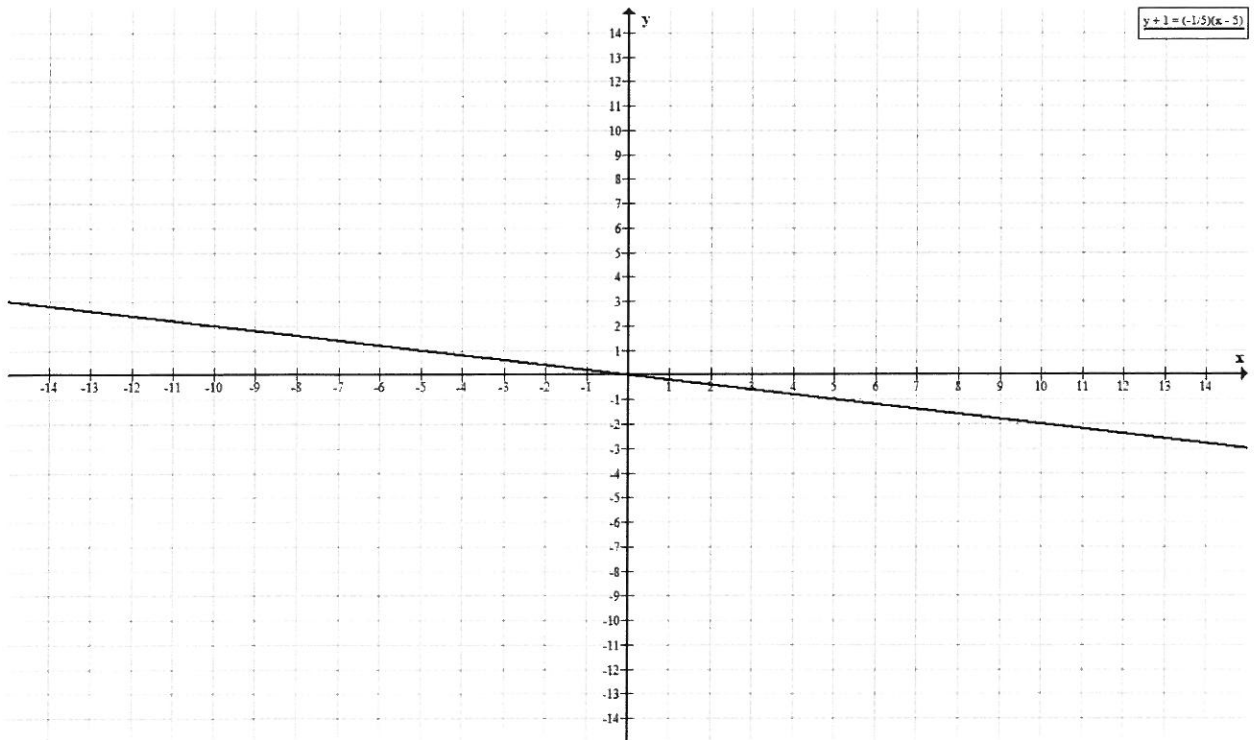
$$56) \frac{3}{2}$$

$$60) \frac{1}{6}$$

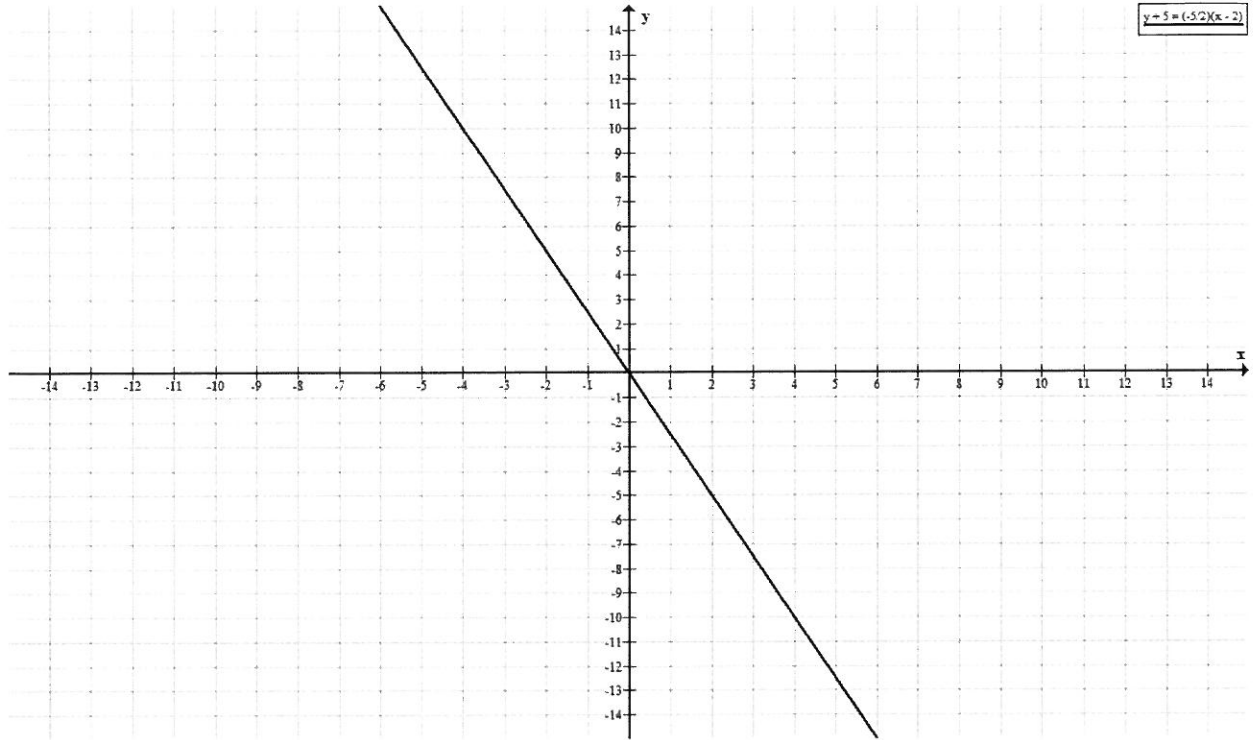
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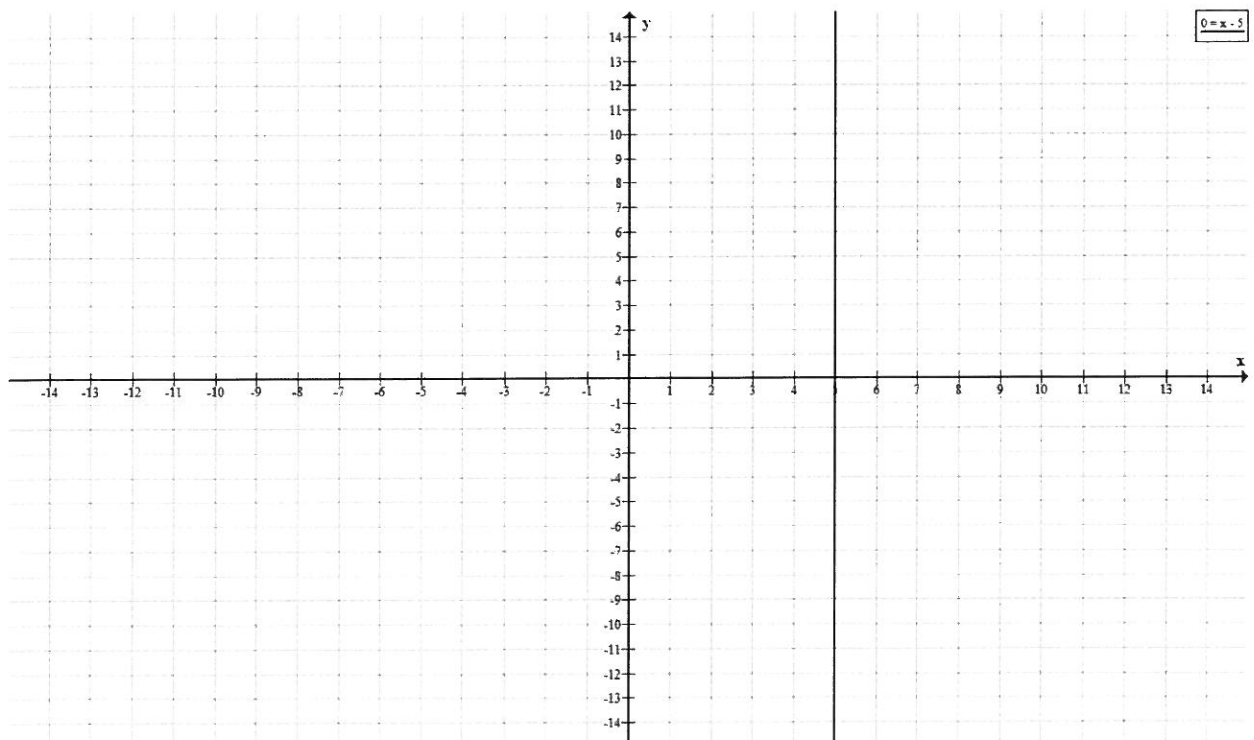
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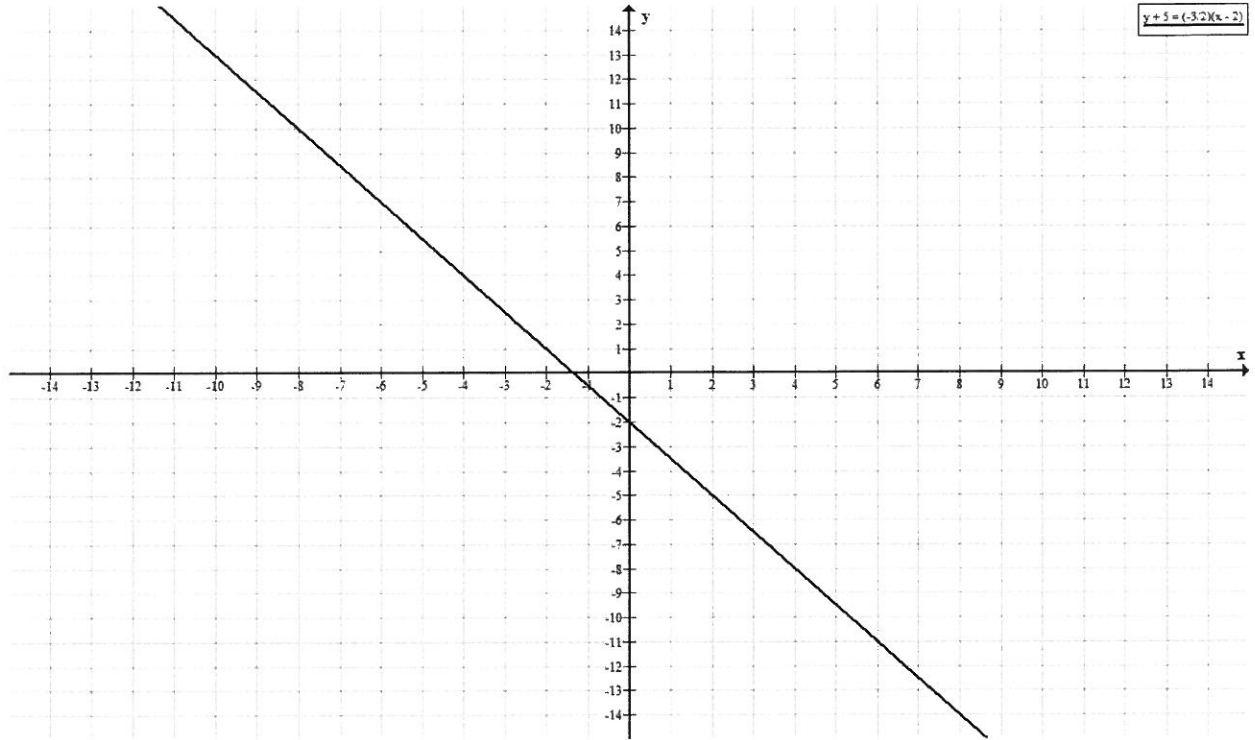
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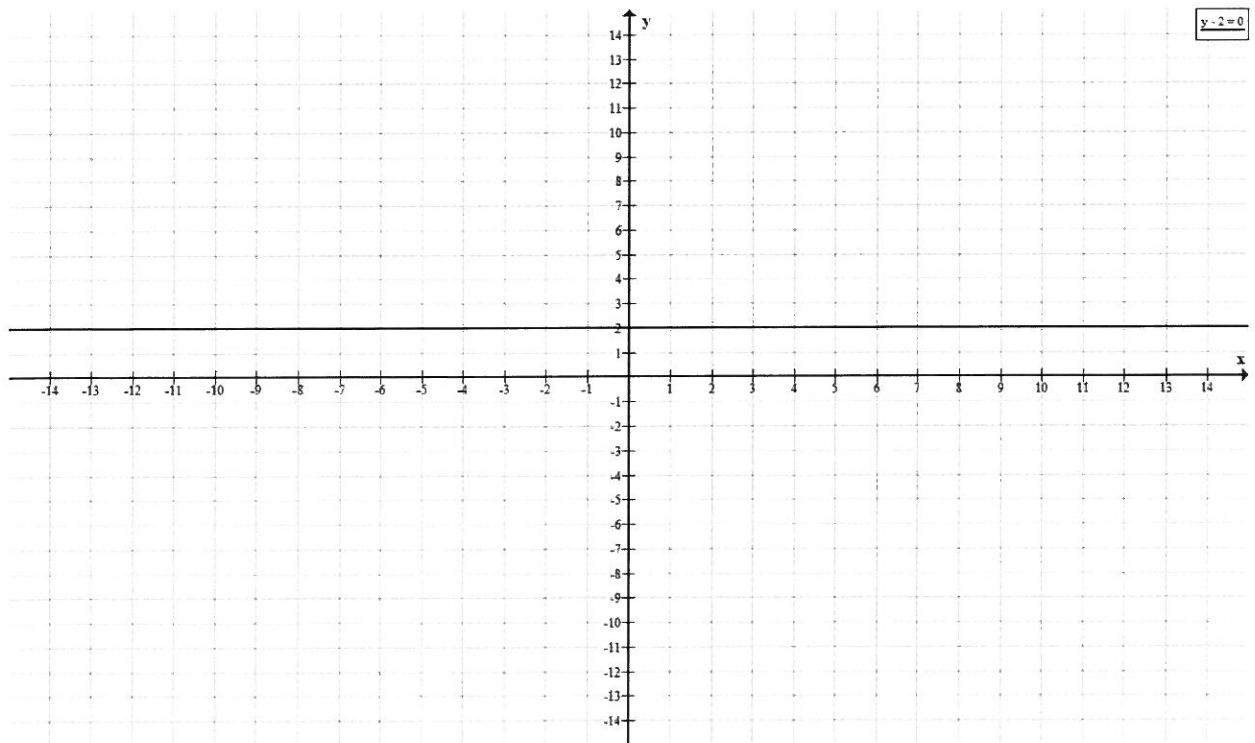
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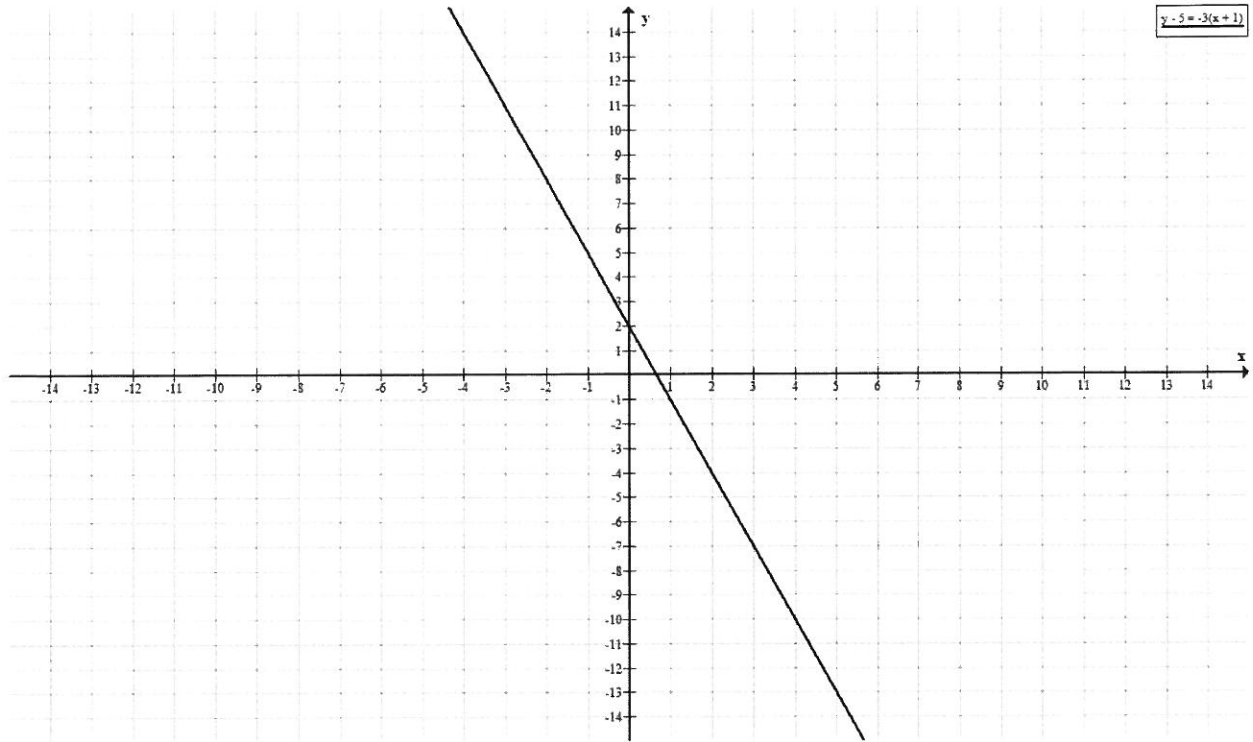
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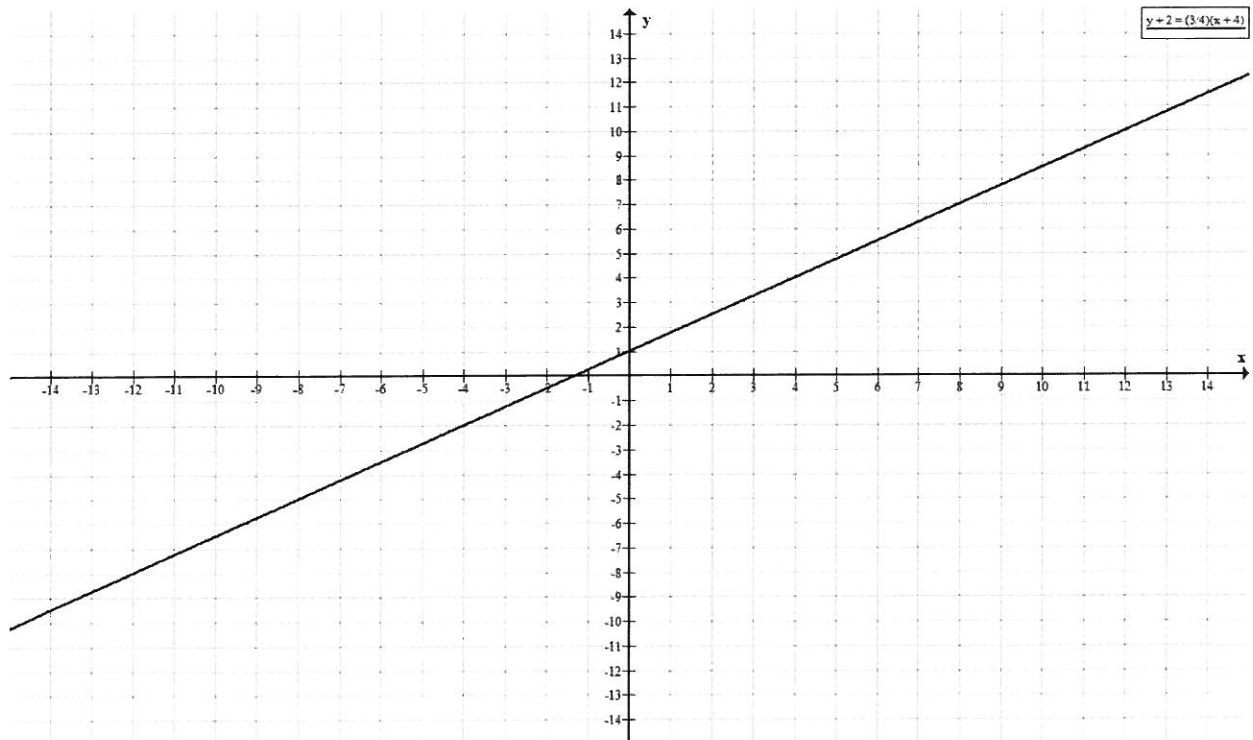
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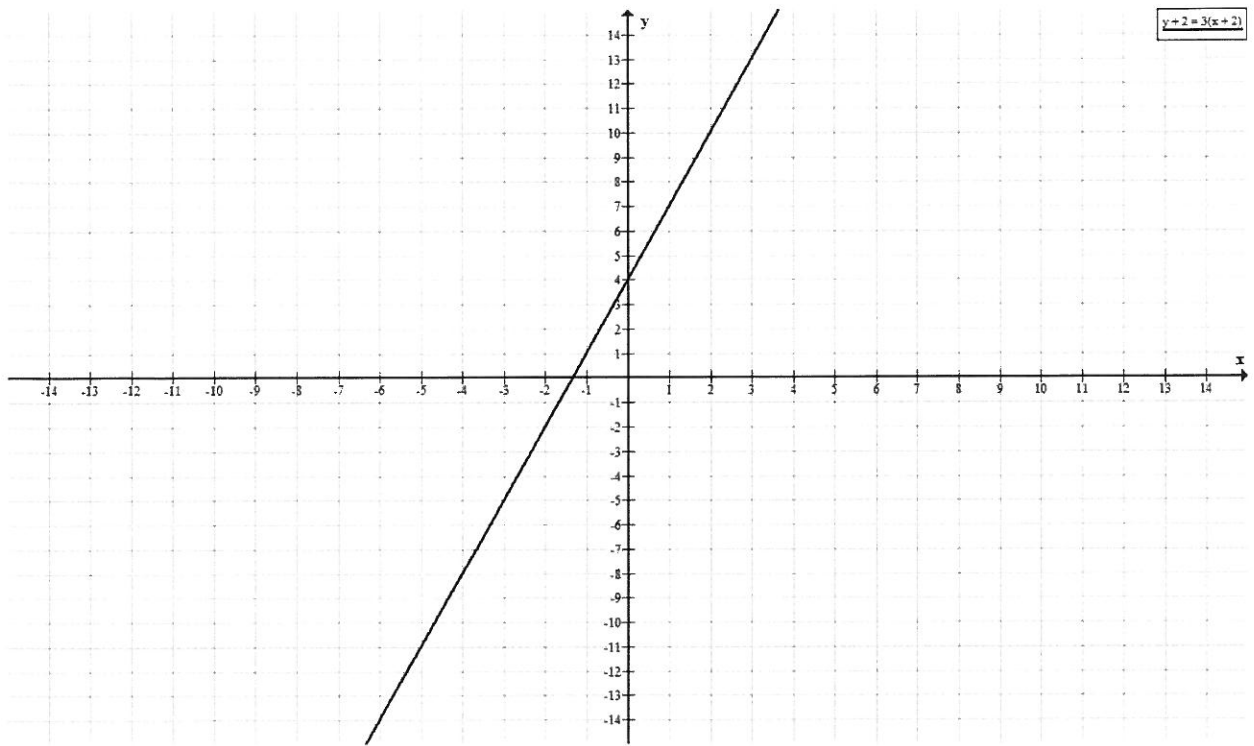
37.



38.



39.



40.

