Algebra 1 - Mr. C. - All work on looseleaf. Name_____

Q3Week2 Practice - Ref. Ch. 4-9 and 4-10

Date_____ Period____

Write the slope-intercept form of the equation of the line described.

1) through: $(-5, 1)$, parallel to $y = -\frac{3}{5}x + 4$

2) through: $(-4, -1)$, parallel to $y = -\frac{3}{4}x + 5$

3) through: $(2, 4)$, parallel to $y = \frac{7}{2}x + 4$

4) through: $(5, -1)$, parallel to $x = 0$

5) through: $(1, -3)$, parallel to $y = \frac{2}{3}x + 3$

6) through: $(3, -1)$, parallel to $y = -4$

7) through: $(-3, -1)$, parallel to $y = -\frac{4}{3}x + 4$

8) through: $(-3, 1)$, parallel to $y = -2x + 5$

9) through: $(3, -4)$, perp. to $y = \frac{1}{7}x + 5$

10) through: $(-4, -5)$, perp. to $y = -\frac{2}{7}x - 3$

11) through: $(4, -2)$, perp. to $y = \frac{9}{2}x - 3$

12) through: $(3, 4)$, perp. to $y = -4$

13) through: $(-2, 0)$, perp. to $y = \frac{2}{5}x + 2$

14) through: $(3, -2)$, perp. to $y = -\frac{2}{5}x - 5$

15) through: $(3, -2)$, perp. to $y = \frac{1}{2}x + 3$

16) through: $(2, 4)$, perp. to $y = 2$

Sketch the graph of each line.

17) $y - \frac{1}{2}x = 1$

18) $x + 2 + \frac{1}{2}y = 0$

19) $15 = -5y - x$

20) $-y - \frac{7}{4}x = 2$

21) $-5 = -x + y$

22) $25 - 9x + 5y = 0$

23) $2x - 15 = -5y$

24) $-x = y$

25) $5x + 3y = 0$

26) $-27 = -3x + 9y$

27) $-y = -6x - 2$

28) $-6x - 15 = -5y$

Answers to Q3Week2 Practice - Ref. Ch. 4-9 and 4-10 (ID: 1)

1) $y = -\frac{3}{5}x - 2$

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

3) $y = \frac{7}{2}x - 3$

4) $x = 5$

5) $y = \frac{2}{3}x - \frac{11}{3}$

6) $y = -1$

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

8) $y = -2x - 5$

9) $y = -7x + 17$

10) $y = \frac{7}{2}x + 9$

11) $y = -\frac{2}{9}x - \frac{10}{9}$

12) $x = 3$

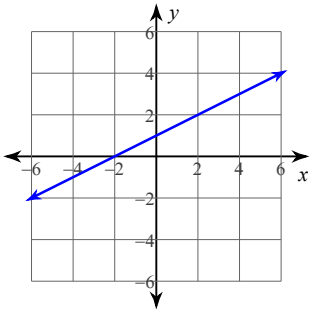
13) $y = -\frac{5}{2}x - 5$

14) $y = \frac{5}{2}x - \frac{19}{2}$

15) $y = -2x + 4$

16) $x = 2$

17)



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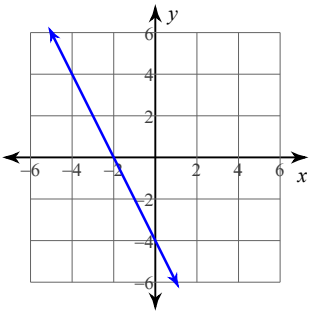

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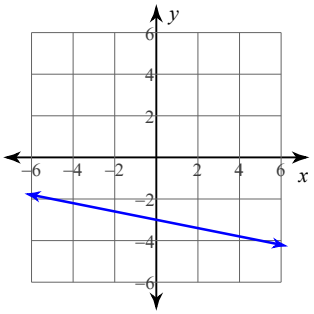

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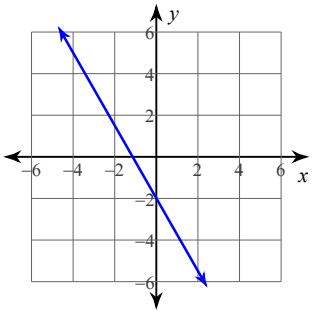

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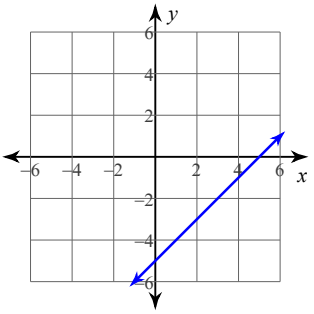

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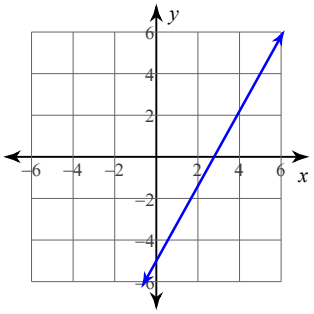

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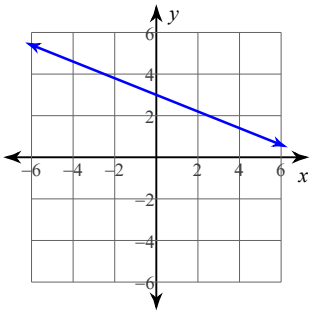

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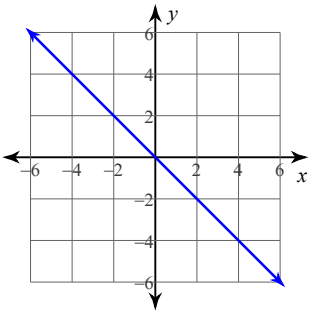

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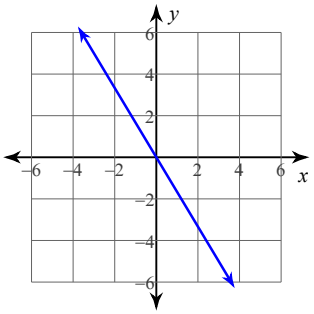

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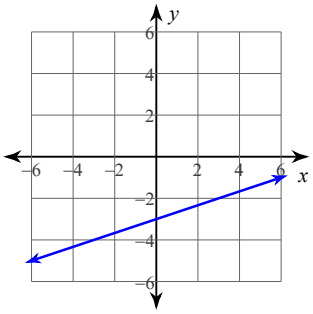

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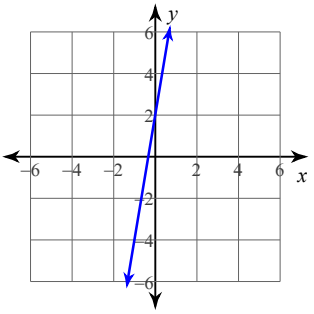

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