Algebra 1 Name_____

Assignment

Date_____ Period____

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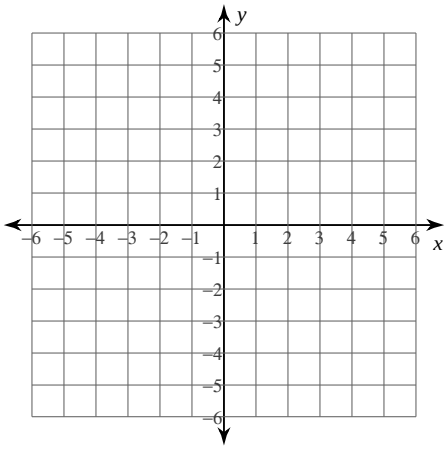
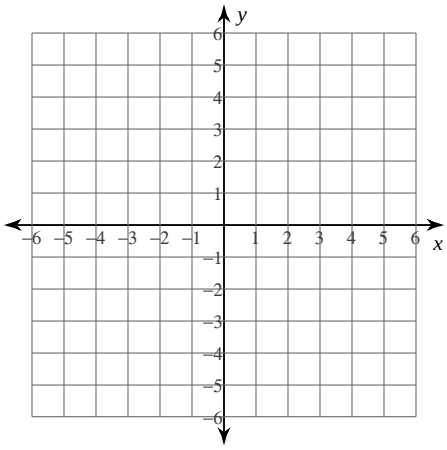
2.2 I can graph a linear equation using x- and y- intercepts.

1) *x*-intercept = 3, *y*-intercept = 5



2) *x*-intercept = 3, *y*-intercept = 2



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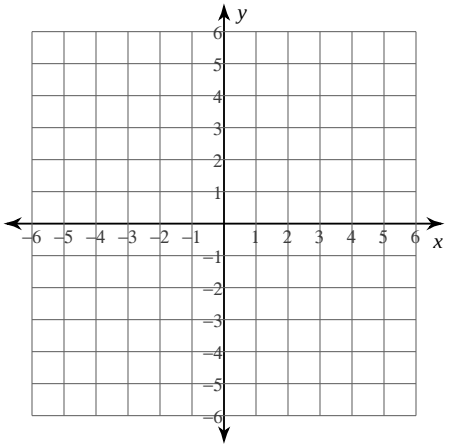
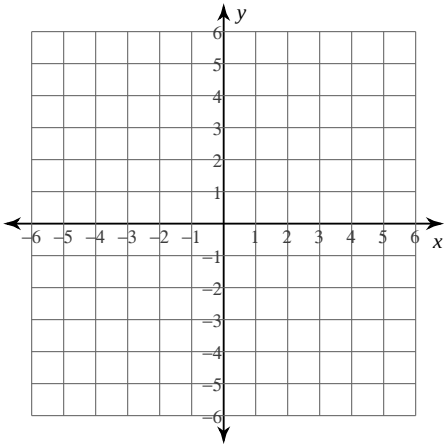
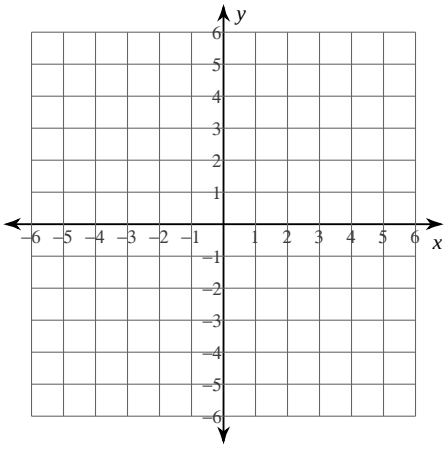
3) x-intercept = –5, y-intercept = –5



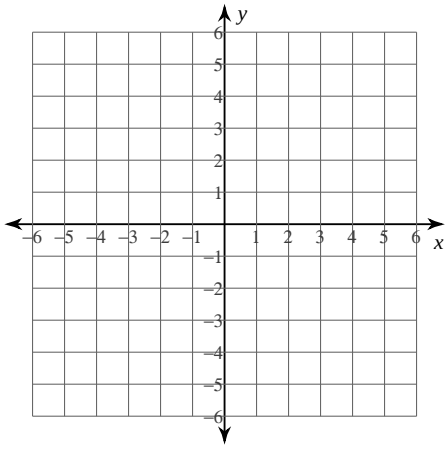
4) x-intercept = –4, y-intercept = 1



5) $7x - 2y = -4$



6) $3x - 2y = -2$



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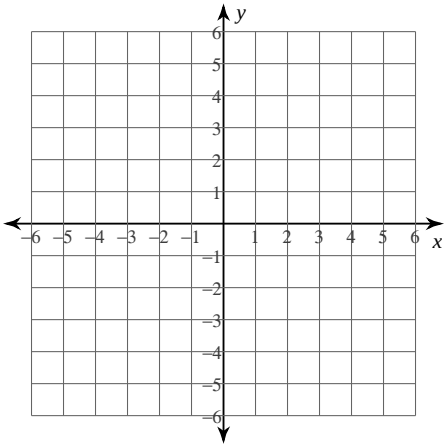
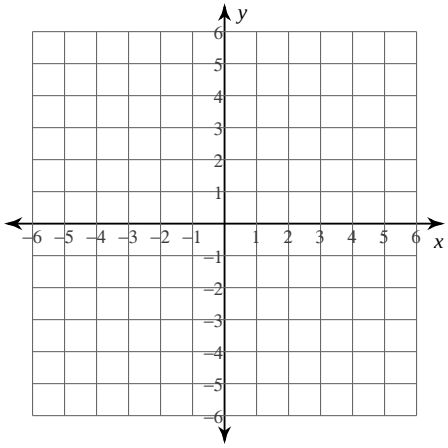
7) $3x + y = -3$



8) $x + y = -1$



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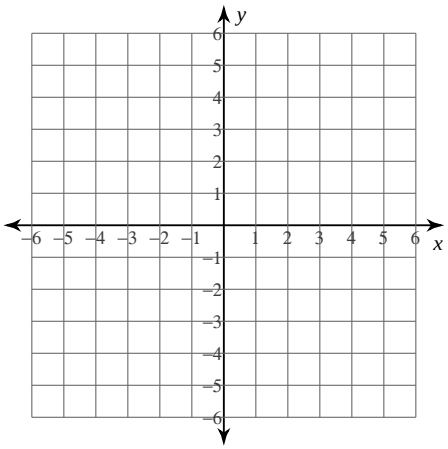
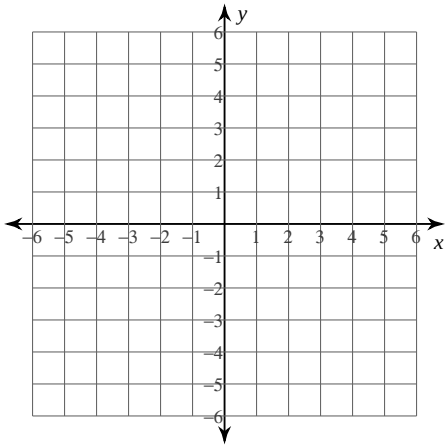
2.3 I can graph linear equations using slope and y-intercept

9) $y = 5x + 5$



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



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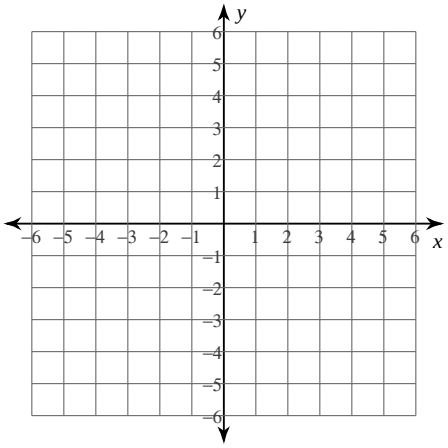
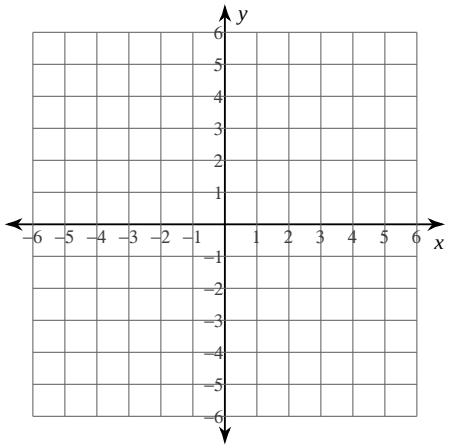
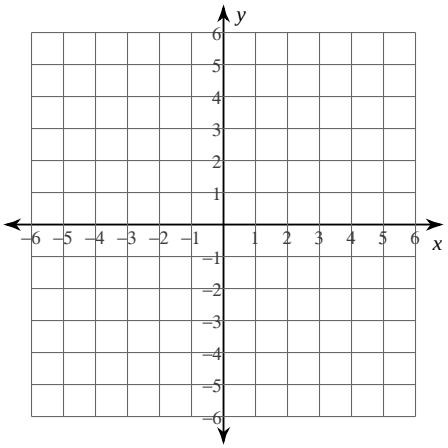
11) $x = -3$



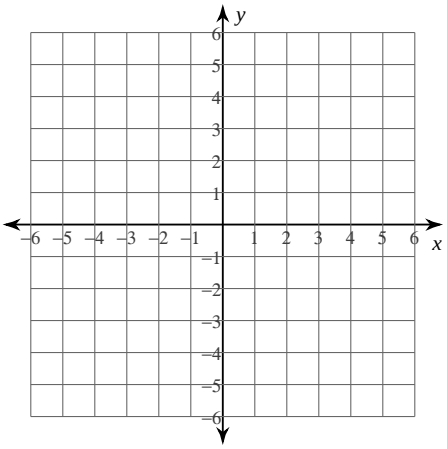
12) $y = -\frac{2}{3}x$



13) $y = -2x + 5$



14) $y = -5$



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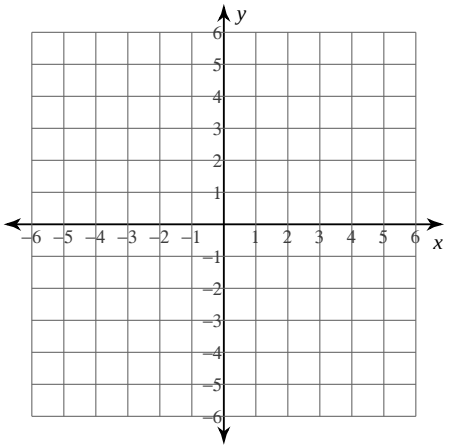
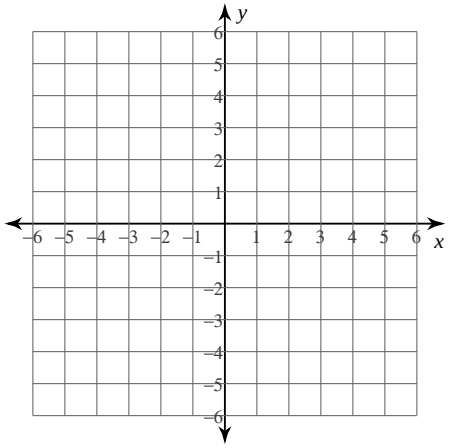
15) $y = \frac{3}{4}x + 2$



16) $x = -1$



2.6 I can write linear equations when given a point and a slope.

17) through: $(3, -5)$, slope = -2

18) through: $(-3, -1)$, slope = $\frac{4}{3}$

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19) through: $(-1, -5)$, slope = undefined

20) through: $(-2, 5)$, slope = undefined

21) through: $(-1, -2)$, slope = 6

22) through: $(1, 2)$, slope = 1

23) through: $(5, 5)$, slope = $\frac{2}{5}$

24) through: $(4, 0)$, slope = $\frac{5}{4}$

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2.7 I can write linear equations when given two points.

25) through: $(4, -3)$ and $(-3, 4)$

26) through: $(-3, -4)$ and $(-1, 1)$

27) through: $(0, -3)$ and $(-2, 5)$

28) through: $(-2, 2)$ and $(-4, -2)$

29) through: $(-3, -1)$ and $(-1, -1)$

30) through: $(-2, -1)$ and $(3, -2)$

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31) through: $(-3, 4)$ and $(-5, 0)$

32) through: $(-2, -2)$ and $(2, 1)$

33) through: $(-2, 1)$ and $(3, 3)$

34) through: $(-3, 2)$ and $(1, 3)$

35) through: $(5, 2)$ and $(-3, -5)$

36) through: $(5, 0)$ and $(-3, 3)$

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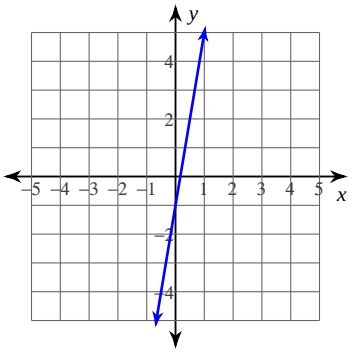
2.8 I can write linear equations when given the graph of the equation.

37)



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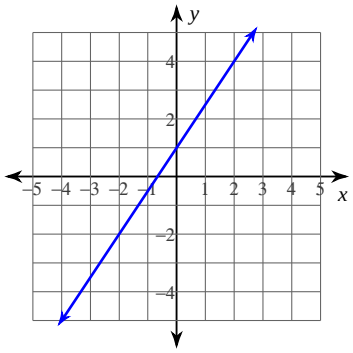

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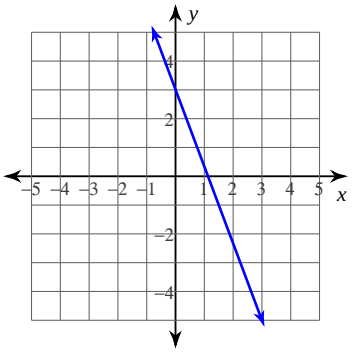

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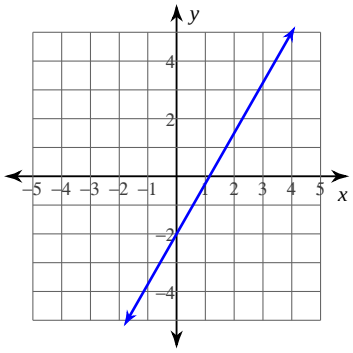

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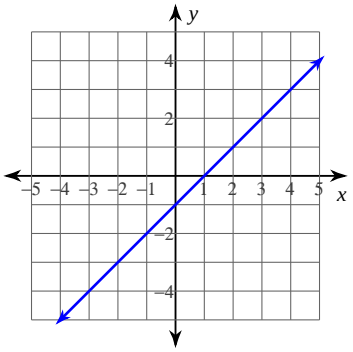
41)



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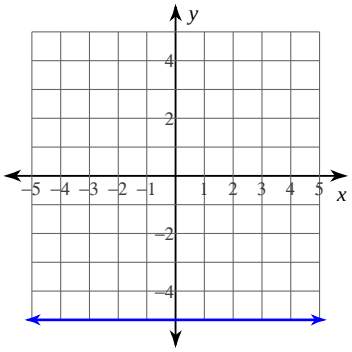

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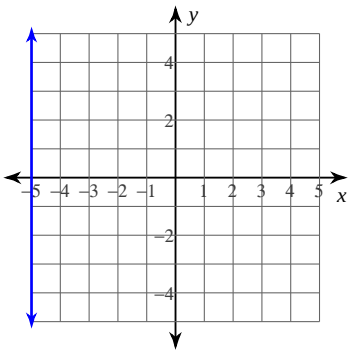

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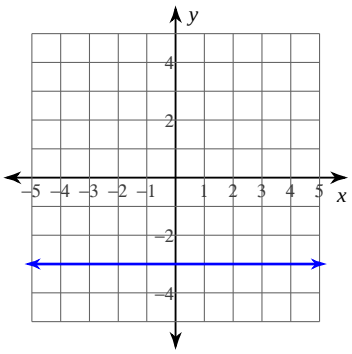

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2.9 I can find the distance between two points in the coordinate plane.

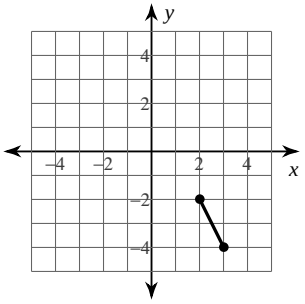
45) $(3, 8), (-5, -4)$

46) $(0, 4), (6, -4)$

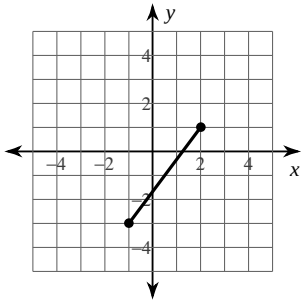
47) $(-7, 4), (4, 6)$

48) $(-4, 0), (-8, 5)$

49)



50)



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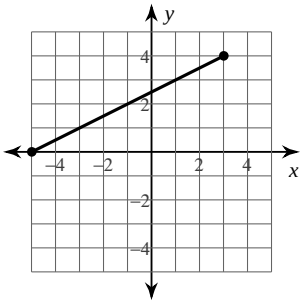
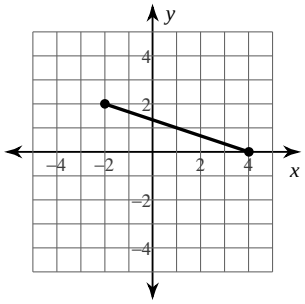
51)



52)



2.10 I can find the midpoint between two points in the coordinate plane

53) $(5, -1), (8, 9)$

54) $(-6, 1), (1, 6)$

55) $(9, 8), (1, 6)$

56) $(-8, 0), (-4, 1)$

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57) $(-9, 5), (7, -5)$

58) $(-1, 6), (-4, 9)$

59) $(-4, -3), (3, -1)$

60) $(2, 3), (2, -2)$

2.11 I can find the missing endpoint when given one endpoint and the midpoint of a segment

61) Endpoint: $(-4, -6)$, midpoint: $(5, 10)$

62) Endpoint: $(-7, 6)$, midpoint: $(-1, -1)$

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63) Endpoint: $(10, 9)$, midpoint: $(5, 10)$

64) Endpoint: $(7, -8)$, midpoint: $(-1, -8)$

65) Endpoint: $(-1, -10)$, midpoint: $(-10, -1)$

66) Endpoint: $(4, 3)$, midpoint: $(6, 3)$

67) Endpoint: $(-3, -10)$, midpoint: $(7, -5)$

68) Endpoint: $(1, 7)$, midpoint: $(0, -8)$

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