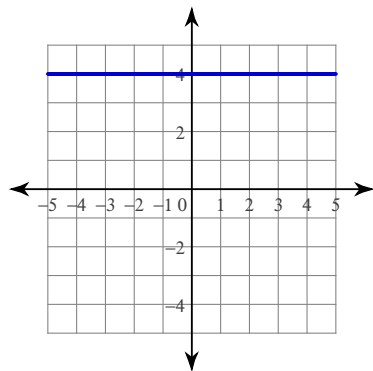


Review Sheet: Writing Linear Equations in Two Variables

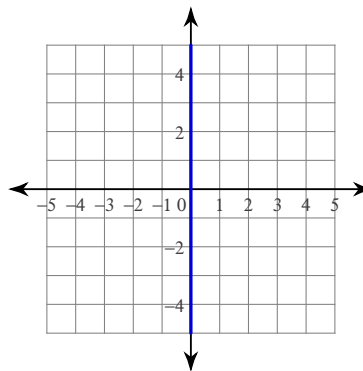
Date _____

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

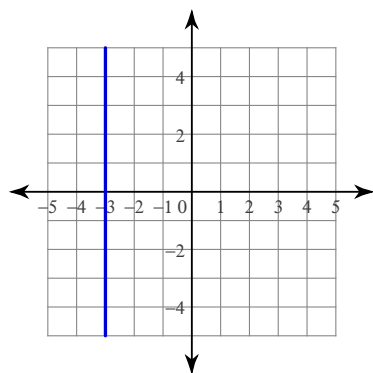
1)



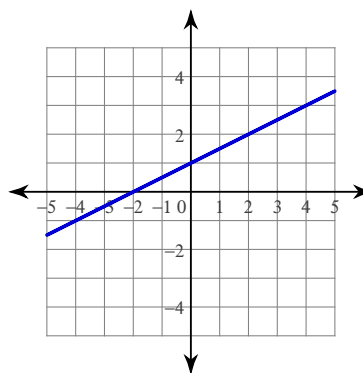
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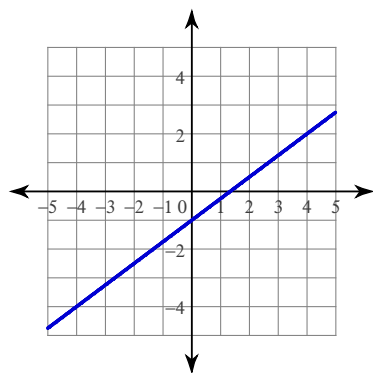
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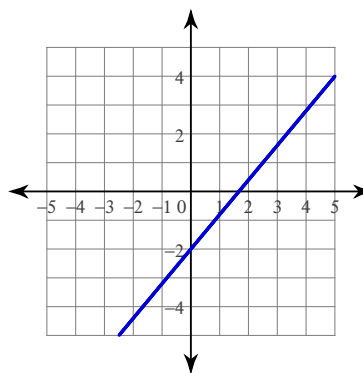
4)



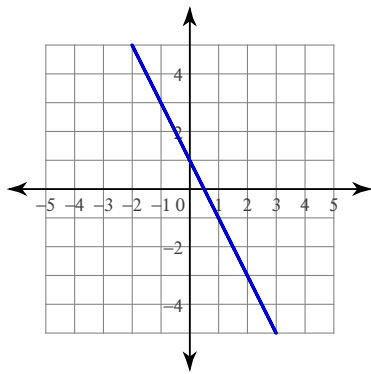
5)



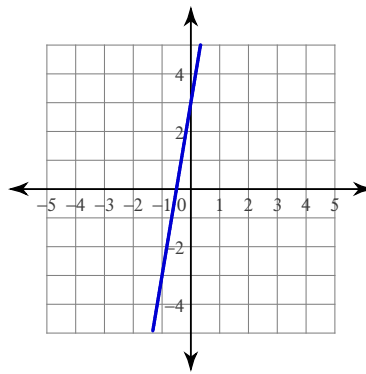
6)



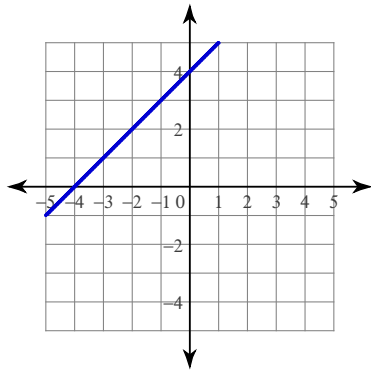
7)



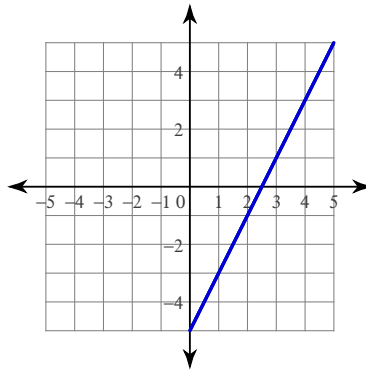
8)



9)



10)



Write the slope-intercept form of the equation of each line given the slope and y-intercept.

11) Slope = $\frac{1}{5}$, y-intercept = -1

12) Slope = 1 , y-intercept = 0

13) Slope = $\frac{1}{2}$, y-intercept = 2

14) Slope = $-\frac{3}{2}$, y-intercept = -3

15) Slope = $-\frac{1}{4}$, y-intercept = 4

16) Slope = $-\frac{1}{3}$, y-intercept = 5

17) Slope = $-\frac{7}{3}$, y-intercept = -3

18) Slope = -6 , y-intercept = -1

19) Slope = $\frac{7}{3}$, y-intercept = -2

20) Slope = $\frac{7}{5}$, y-intercept = 2

Write the slope-intercept form of the equation of the line through the given point with the given slope.

21) through: $(-4, -2)$, slope = $-\frac{1}{4}$

22) through: $(4, 5)$, slope = 2

23) through: $(-2, 3)$, slope $= -\frac{7}{2}$

24) through: $(-5, 2)$, slope $= -\frac{4}{7}$

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

26) through: $(2, 0)$, slope $= 0$

27) through: $(-4, 3)$, slope $= -\frac{5}{2}$

28) through: $(1, -4)$, slope $= 2$

29) through: $(1, 4)$, slope $= 2$

30) through: $(2, -1)$, slope $= -\frac{2}{5}$

Write the slope-intercept form of the equation of the line through the given points.

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

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

33) through: $(0, 5)$ and $(3, 5)$

34) through: $(0, -5)$ and $(4, 1)$

35) through: $(0, 5)$ and $(5, -1)$

36) through: $(0, -4)$ and $(4, 5)$

37) through: $(0, -4)$ and $(1, 1)$

38) through: $(-4, -2)$ and $(0, -5)$

39) through: $(-2, -3)$ and $(0, -2)$

40) through: $(5, 5)$ and $(0, -1)$

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

41) through: $(-1, 1)$, parallel to $y = -x - 3$

42) through: $(3, 0)$, parallel to $y = \frac{1}{3}x - 1$

43) through: $(1, -5)$, parallel to $y = -7x - 1$

44) through: $(-1, -1)$, parallel to $y = 4x - 4$

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

46) through: $(3, -5)$, parallel to $y = -3x - 2$

47) through: $(5, 0)$, parallel to $y = -\frac{2}{5}x - 1$

48) through: $(-2, -2)$, parallel to $y = 3x + 2$

49) through: $(-3, -2)$, parallel to $y = -x - 1$

50) through: $(5, 5)$, parallel to $y = \frac{9}{5}x - 2$

51) through: $(1, 0)$, perp. to $y = -\frac{1}{4}x - 2$

52) through: $(-2, -3)$, perp. to $x = 0$

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

54) through: $(-3, 0)$, perp. to $y = -x - 5$

55) through: $(-4, -2)$, perp. to $y = 4x - 3$

56) through: $(-3, -3)$, perp. to $y = -2x + 5$

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

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

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

60) through: $(-2, -3)$, perp. to $y = 3$

Answers to Review Sheet: Writing Linear Equations in Two Variables (ID: 1)

1) $y = 4$

2) $x = 0$

3) $x = -3$

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

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

6) $y = \frac{6}{5}x - 2$

7) $y = -2x + 1$

8) $y = 6x + 3$

9) $y = x + 4$

10) $y = 2x - 5$

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

12) $y = x$

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

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

15) $y = -\frac{1}{4}x + 4$

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

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

18) $y = -6x - 1$

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

20) $y = \frac{7}{5}x + 2$

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

22) $y = 2x - 3$

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

24) $y = -\frac{4}{7}x - \frac{6}{7}$

25) $y = -3x + 11$

26) $y = 0$

27) $y = -\frac{5}{2}x - 7$

28) $y = 2x - 6$

29) $y = 2x + 2$

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

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

32) $y = -\frac{2}{5}x + \frac{7}{5}$

33) $y = 5$

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

35) $y = -\frac{6}{5}x + 5$

36) $y = \frac{9}{4}x - 4$

37) $y = 5x - 4$

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

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

40) $y = \frac{6}{5}x - 1$

41) $y = -x$

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

43) $y = -7x + 2$

44) $y = 4x + 3$

45) $y = \frac{4}{5}x + 3$

46) $y = -3x + 4$

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

48) $y = 3x + 4$

49) $y = -x - 5$

50) $y = \frac{9}{5}x - 4$

51) $y = 4x - 4$

52) $y = -3$

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

54) $y = x + 3$

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

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

57) $y = \frac{3}{5}x + \frac{17}{5}$

58) $y = \frac{2}{5}x + \frac{1}{5}$

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

60) $x = -2$