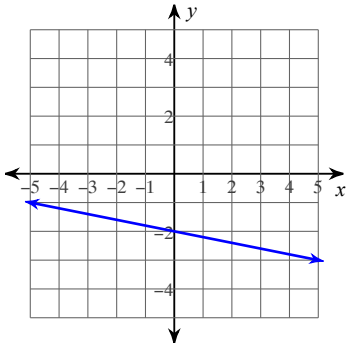


Assignment

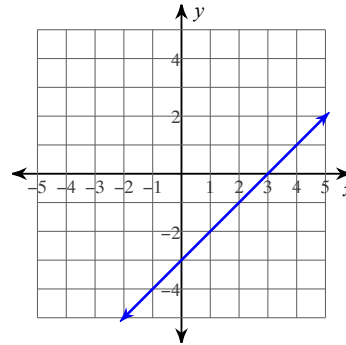
Date _____ Period _____

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

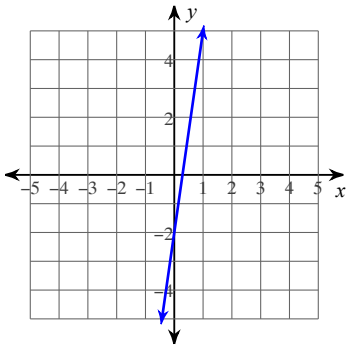
1)



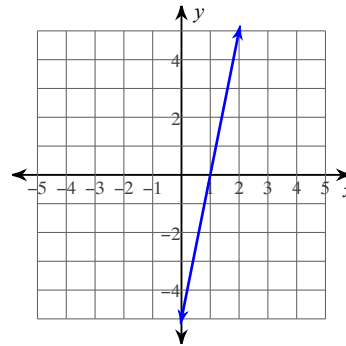
2)



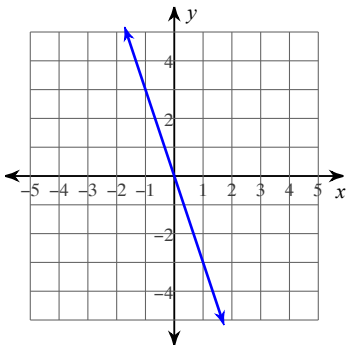
3)



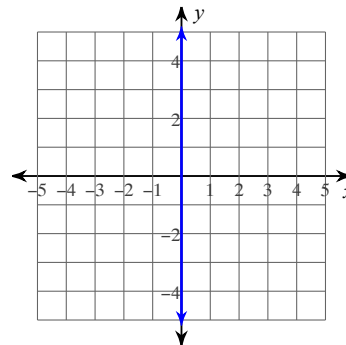
4)



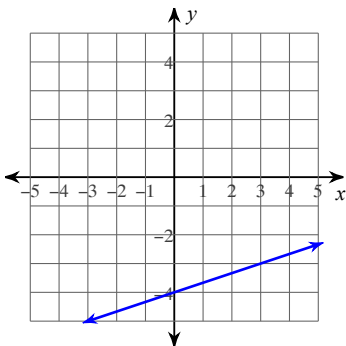
5)



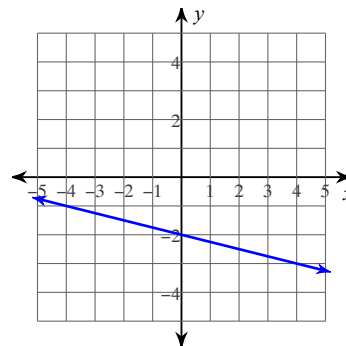
6)



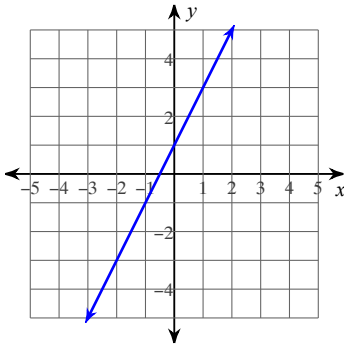
7)



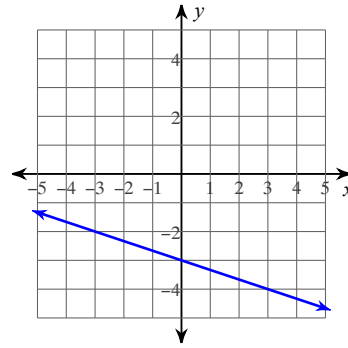
8)



9)



10)



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

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

12) Slope = 2, y-intercept = 1

13) Slope = 4, y-intercept = 2

14) Slope = 5, y-intercept = -4

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

16) Slope = $-\frac{3}{2}$, y-intercept = 4

17) Slope = $\frac{3}{4}$, y-intercept = 2

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

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

20) Slope = $-\frac{7}{4}$, y-intercept = 5

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

21) through: $(-3, -2)$, slope = $-\frac{1}{3}$

22) through: $(3, -5)$, slope = $-\frac{1}{3}$

23) through: $(2, 5)$, slope = undefined

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

25) through: $(-2, -3)$, slope = 0

26) through: $(-1, 5)$, slope = $-\frac{9}{4}$

27) through: $(4, -3)$, slope = undefined

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

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

30) through: $(-3, -5)$, slope = $\frac{10}{3}$

Evaluate each function.

31) $g(x) = -3x^2 + 3$; Find $g(2)$

32) $w(a) = 2a - 5$; Find $w(-8)$

33) $f(x) = -x^2 - 3$; Find $f(1)$

34) $h(n) = n^2 - 5$; Find $h(-2)$

35) $w(n) = n - 5$; Find $w(-8)$

36) $k(x) = x + 3$; Find $k(10)$

37) $h(n) = 4n + 2$; Find $h(-4)$

38) $h(a) = a^3 + 4$; Find $h(3)$

39) $g(x) = -3x - 4$; Find $g(2)$

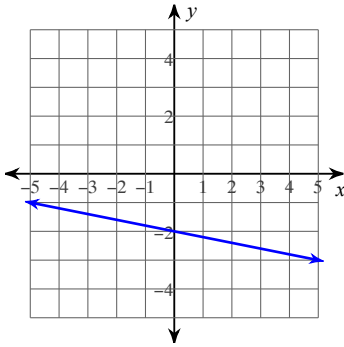
40) $k(n) = n - 1$; Find $k(-2)$

Assignment

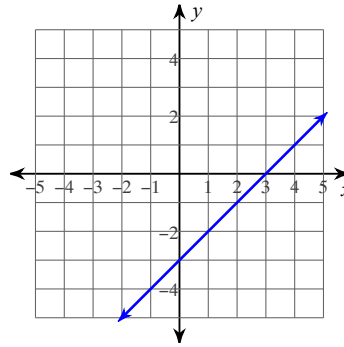
Write the slope-intercept form of the equation of each line.

1)

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

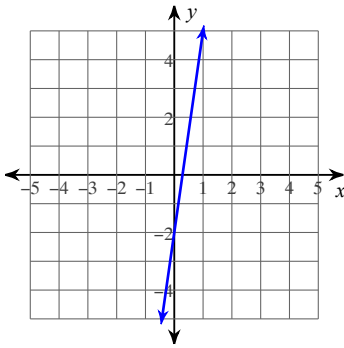


2)



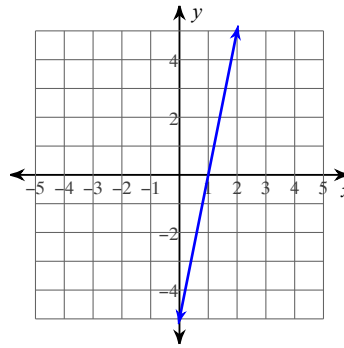
$$y = x - 3$$

3)



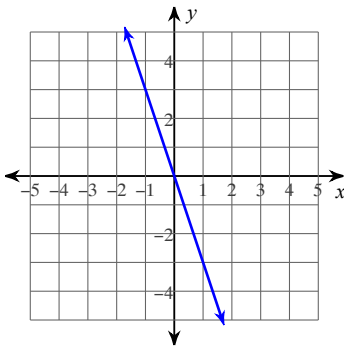
$$y = 7x - 2$$

4)



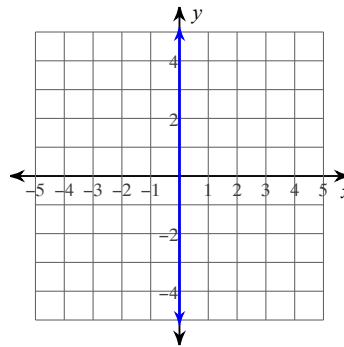
$$y = 5x - 5$$

5)



$$y = -3x$$

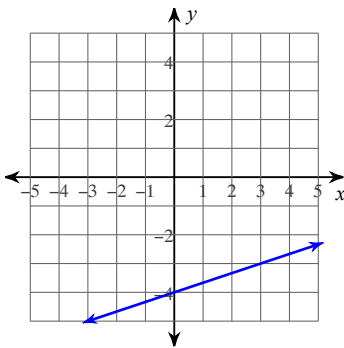
6)



$$x = 0$$

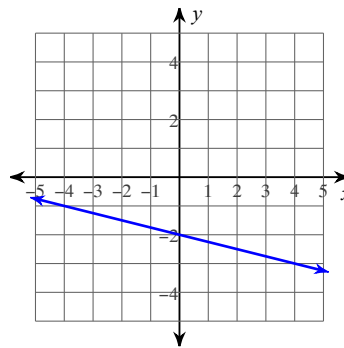
7)

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

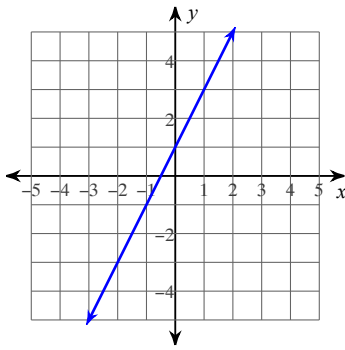


8)

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

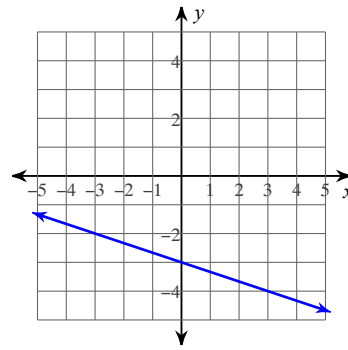


9)



$$y = 2x + 1$$

10)



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

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

11) Slope = $\frac{1}{3}$, y-intercept = 1 $y = \frac{1}{3}x + 1$

12) Slope = 2, y-intercept = 1
 $y = 2x + 1$

13) Slope = 4, y-intercept = 2
 $y = 4x + 2$

14) Slope = 5, y-intercept = -4
 $y = 5x - 4$

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

16) Slope = $-\frac{3}{2}$, y-intercept = 4 $y = -\frac{3}{2}x + 4$

17) Slope = $\frac{3}{4}$, y-intercept = 2 $y = \frac{3}{4}x + 2$

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

19) Slope = $-\frac{1}{2}$, y-intercept = 1 $y = -\frac{1}{2}x + 1$

20) Slope = $-\frac{7}{4}$, y-intercept = 5 $y = -\frac{7}{4}x + 5$

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

21) through: $(-3, -2)$, slope = $-\frac{1}{3}$ $y = -\frac{1}{3}x - 3$

22) through: $(3, -5)$, slope = $-\frac{1}{3}$ $y = -\frac{1}{3}x - 4$

23) through: $(2, 5)$, slope = undefined
 $x = 2$

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

25) through: $(-2, -3)$, slope = 0
 $y = -3$

26) through: $(-1, 5)$, slope = $-\frac{9}{4}$ $y = -\frac{9}{4}x + \frac{11}{4}$

27) through: $(4, -3)$, slope = undefined
 $x = 4$

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

29) through: (4, 2), slope = $\frac{1}{4}$ $y = \frac{1}{4}x + 1$

30) through: (-3, -5), slope = $\frac{10}{3}$ $y = \frac{10}{3}x + 5$

Evaluate each function.

31) $g(x) = -3x^2 + 3$; Find $g(2)$
-9

32) $w(a) = 2a - 5$; Find $w(-8)$
-21

33) $f(x) = -x^2 - 3$; Find $f(1)$
-4

34) $h(n) = n^2 - 5$; Find $h(-2)$
-1

35) $w(n) = n - 5$; Find $w(-8)$
-13

36) $k(x) = x + 3$; Find $k(10)$
13

37) $h(n) = 4n + 2$; Find $h(-4)$
-14

38) $h(a) = a^3 + 4$; Find $h(3)$
31

39) $g(x) = -3x - 4$; Find $g(2)$
-10

40) $k(n) = n - 1$; Find $k(-2)$
-3