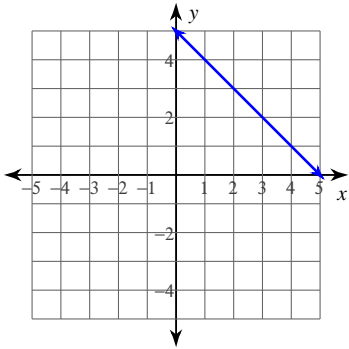


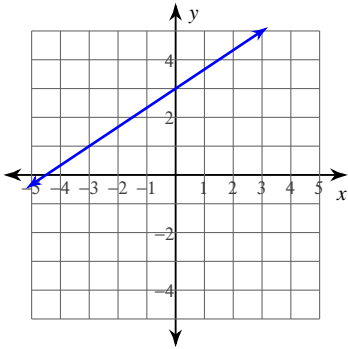
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Write the slope-intercept form of the equation of each line.

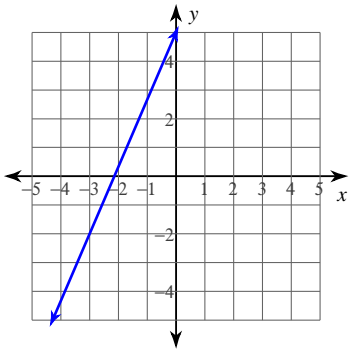
1)



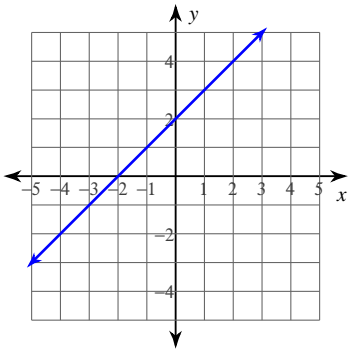
2)



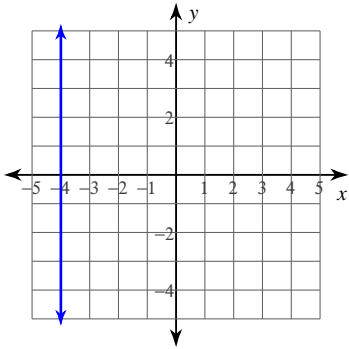
3)



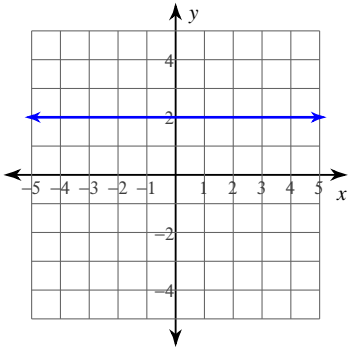
4)



5)



6)



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

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

8) Slope = 2 , y-intercept = -5

9) Slope = $-\frac{1}{3}$, y-intercept = 0

10) Slope = $\frac{1}{4}$, y-intercept = -2

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

11) $5x - 2y = 4$

12) $3x + y = 7$

13) $x - 4y = -16$

14) $3x - 8y = -16$

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

15) through: $(-2, -4)$, slope = 4

16) through: $(-3, 0)$, slope = $-\frac{5}{3}$

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

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

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

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

20) through: $(1, -4)$ and $(-4, -2)$

21) through: $(4, -4)$ and $(-5, 2)$

22) through: $(-3, -3)$ and $(-5, -4)$

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

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

24) through: $(-5, -3)$, parallel to $y = 3x + 4$

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

26) through: $(3, -5)$, parallel to $x = 0$

Answers to Extra Practice - Writing Equations

1) $y = -x + 5$

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

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

4) $y = x + 2$

5) $x = -4$

6) $y = 2$

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

8) $y = 2x - 5$

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

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

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

12) $y = -3x + 7$

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

14) $y = \frac{3}{8}x + 2$

15) $y = 4x + 4$

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

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

18) $x = -4$

19) $y = -4x + 5$

20) $y = -\frac{2}{5}x - \frac{18}{5}$

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

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

23) $y = \frac{5}{2}x - \frac{15}{2}$

24) $y = 3x + 12$

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

26) $x = 3$