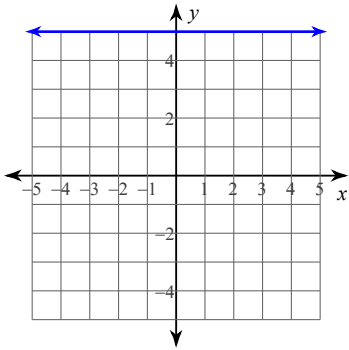


## Writing Equations HW

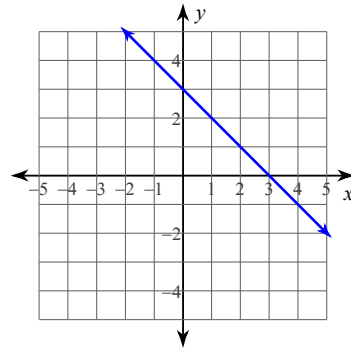
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**Write the slope-intercept form of the equation of each line.**

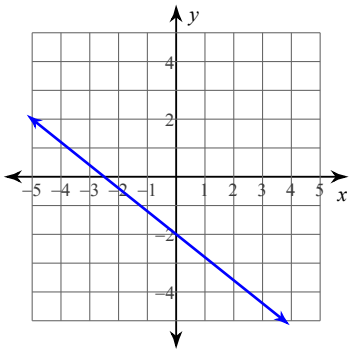
1)



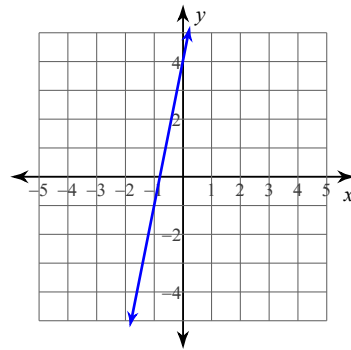
2)



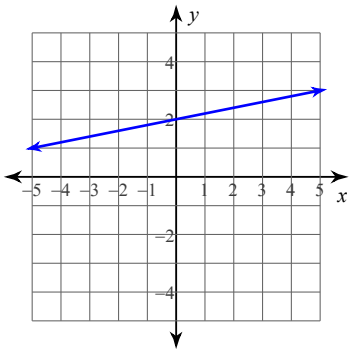
3)



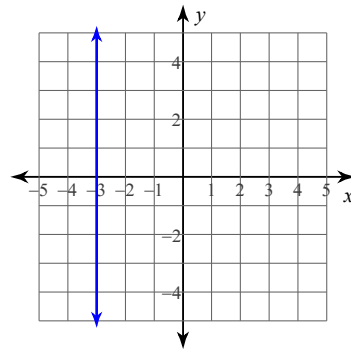
4)



5)



6)



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

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

8) through:  $(5, 0)$ , slope =  $\frac{1}{5}$

9) through:  $(2, -5)$ , slope =  $-2$

10) through:  $(-1, 2)$ , slope =  $-2$

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

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

12) through:  $(3, -1)$  and  $(0, 3)$

13) through:  $(-3, -1)$  and  $(3, 5)$

14) through:  $(-5, 2)$  and  $(-4, -3)$

**Using point-slope form, write the equation of the line through the given points.**

15) through:  $(0, -4)$  and  $(3, 0)$

16) through:  $(-1, -1)$  and  $(2, -5)$

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

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

## Answers to Writing Equations HW

1)  $y = 5$

2)  $y = -x + 3$

3)  $y = -\frac{4}{5}x - 2$

4)  $y = 5x + 4$

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

6)  $x = -3$

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

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

9)  $y = -2x - 1$

10)  $y = -2x$

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

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

13)  $y = x + 2$

14)  $y = -5x - 23$

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

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

17)  $y = x + 1$

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