

Practice Point Slope, Slope Intercept

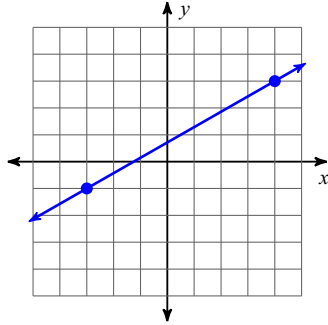
Date _____ Period _____

Find the slope of each line.

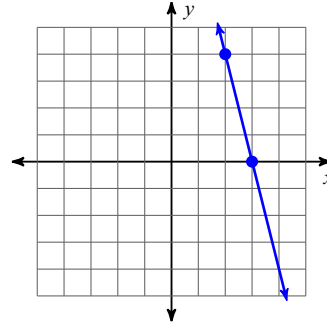
1) $x = 4$

2) $y = 2x - 1$

3)



4)

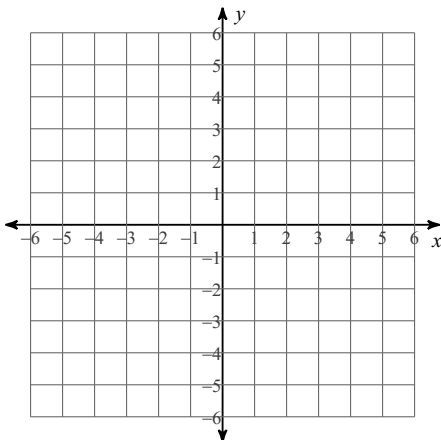
**Find the slope of the line through each pair of points.**

5) $(2, -15), (-5, -14)$

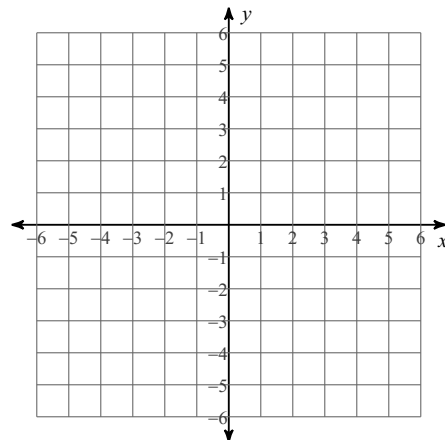
6) $(-3, -17), (-20, 18)$

Sketch the graph of each line.

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



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



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

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

10) through: $(-3, 0)$, slope = $\frac{4}{3}$

11) through: $(1, -3)$, slope = -4

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

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

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

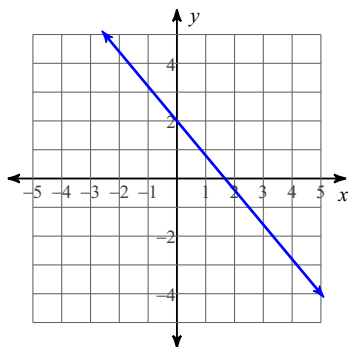
14) through: $(1, 4)$, slope = 0

15) through: $(1, -3)$, slope = $-\frac{2}{5}$

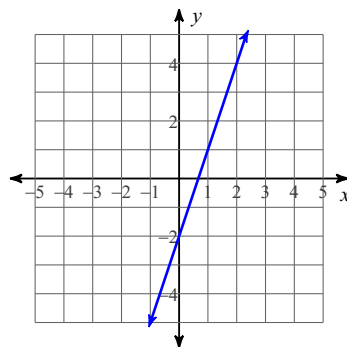
16) through: $(3, -5)$, slope = 2

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

17)



18)



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

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

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

Answers to Practice Point Slope, Slope Intercept (ID: 1)

1) Undefined

2) 2

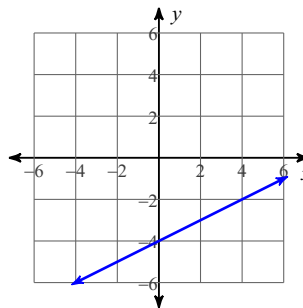
3) $\frac{4}{7}$

4) -4

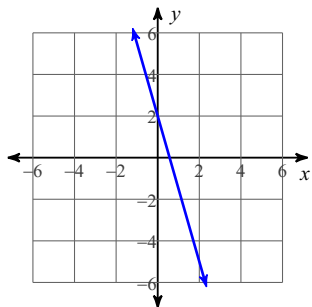
5) $-\frac{1}{7}$

6) $-\frac{35}{17}$

7)



8)



9) $y - 4 = 4(x - 2)$

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

11) $y + 3 = -4(x - 1)$

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

13) $y = -x - 3$

14) $y = 4$

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

16) $y = 2x - 11$

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

18) $y = 3x - 2$

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

20) $y = \frac{5}{3}x + \frac{19}{3}$