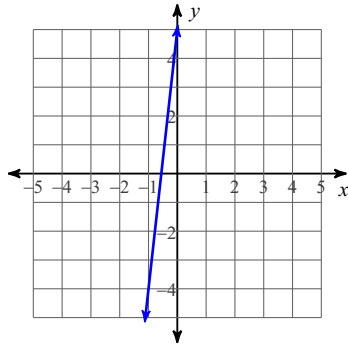


Writing Equations of Lines

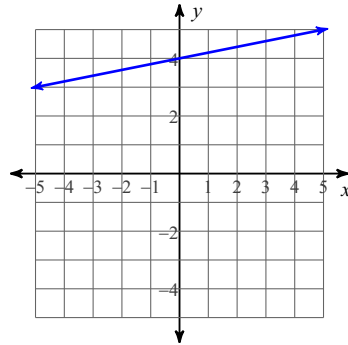
Date _____

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

1)



2)



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

3) Slope = $\frac{4}{3}$, y-intercept = -5

4) Slope = -5 , y-intercept = 1

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

5) $x - 6y = 0$

6) $11x + 8y = -45$

7) $y - 5 = \frac{7}{4}(x + 1)$

8) $y + 1 = 3(x + 2)$

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

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

10) through: $(5, 4)$, slope = 0

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

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

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

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

13) through: $(5, 1)$, slope = undefined

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

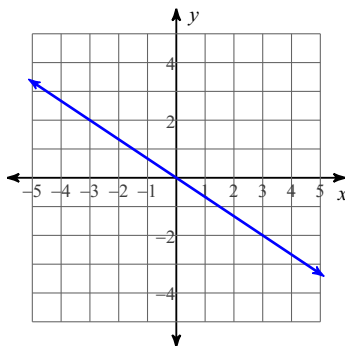
Write the point-slope form of the equation of the line through the given points.

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

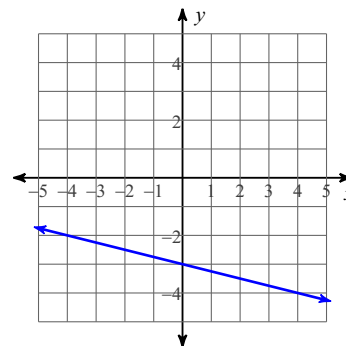
16) through: $(3, 2)$ and $(-4, -5)$

Write the standard form of the equation of each line.

17)



18)



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

19) Slope = 0, y-intercept = 4

20) Slope = 1, y-intercept = 3

Answers to Writing Equations of Lines (ID: 1)

1) $y = 9x + 5$

2) $y = \frac{1}{5}x + 4$

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

4) $y = -5x + 1$

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

6) $y = -\frac{11}{8}x - \frac{45}{8}$

7) $y = \frac{7}{4}x + \frac{27}{4}$

8) $y = 3x + 5$

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

10) $y = 4$

11) $y = 5x + 7$

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

13) $0 = x - 5$

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

15) $y - 5 = -\frac{3}{4}(x + 4)$

16) $y - 2 = x - 3$

17) $2x + 3y = 0$

18) $x + 4y = -12$

19) $y = 4$

20) $x - y = -3$