

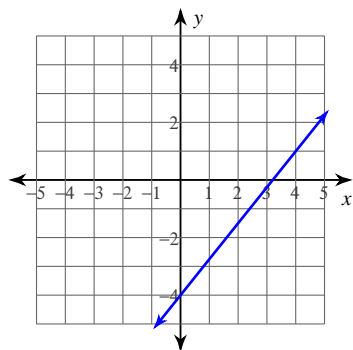
Slope Intercept Form

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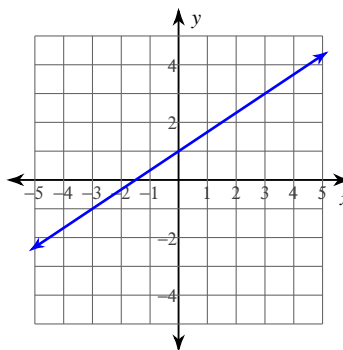
Date _____ Period _____

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

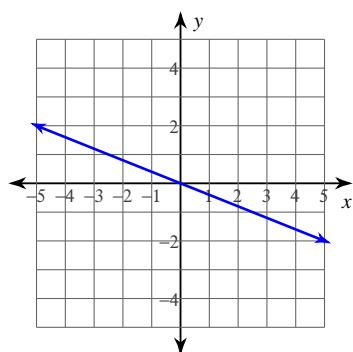
1)



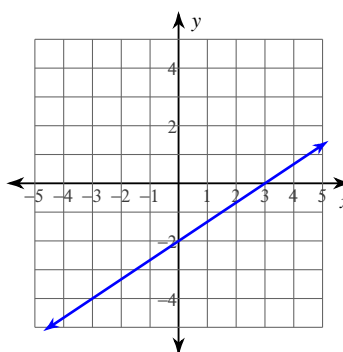
2)



3)



4)

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

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

6) through: $(-4, 2)$, slope = $\frac{3}{5}$

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

8) through: $(-4, -1)$, slope = -2

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

9) through: $(0, 1)$ and $(4, -4)$

10) through: $(5, 2)$ and $(-3, -1)$

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

12) through: $(0, 3)$ and $(-5, -5)$

13) through: $(-4, -4)$ and $(5, -5)$

14) through: $(0, -2)$ and $(3, 0)$

15) through: $(-2, -2)$ and $(0, 3)$

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

17) through: $(1, -4)$ and $(-5, 4)$

18) through: $(-3, -4)$ and $(-5, 1)$

19) through: $(0, 0)$ and $(-4, -1)$

20) through: $(0, -2)$ and $(-5, -5)$

Answers to Slope Intercept Form (ID: 1)

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

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

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

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

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

$$6) y = \frac{3}{5}x + \frac{22}{5}$$

$$7) y = 2x + 3$$

$$8) y = -2x - 9$$

$$9) y = -\frac{5}{4}x + 1$$

$$10) y = \frac{3}{8}x + \frac{1}{8}$$

$$11) y = -\frac{1}{9}x - \frac{23}{9}$$

$$12) y = \frac{8}{5}x + 3$$

$$13) y = -\frac{1}{9}x - \frac{40}{9}$$

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

$$15) y = \frac{5}{2}x + 3$$

$$16) x = 5$$

$$17) y = -\frac{4}{3}x - \frac{8}{3}$$

$$18) y = -\frac{5}{2}x - \frac{23}{2}$$

$$19) y = \frac{1}{4}x$$

$$20) y = \frac{3}{5}x - 2$$