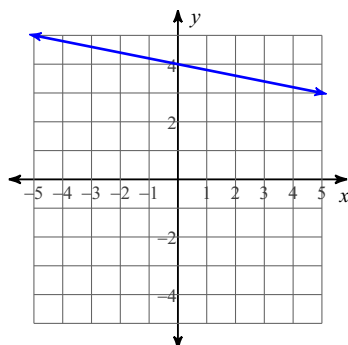


## Home Review Day 7 - Writing Eq of Lines

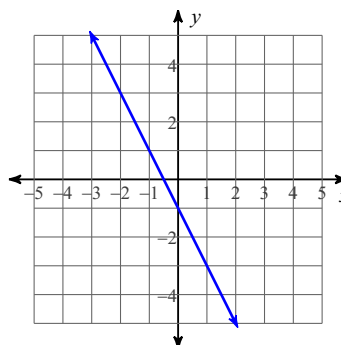
Date \_\_\_\_\_ Period \_\_\_\_\_

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

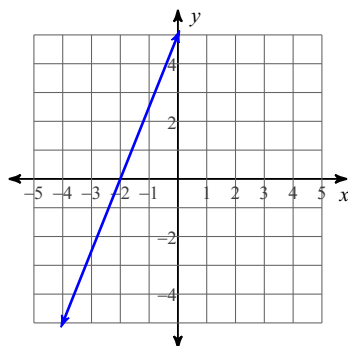
1)



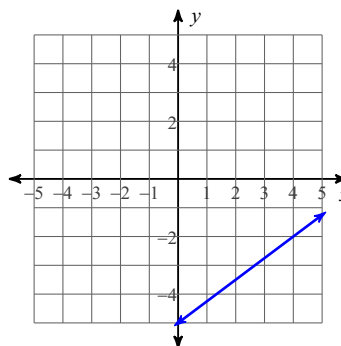
2)



3)



4)



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

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

6) Slope =  $\frac{3}{2}$ , y-intercept = 4

7) Slope = 9, y-intercept = -4

8) Slope =  $\frac{1}{5}$ , y-intercept = 3

**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:  $(1, 5)$ , slope = 2

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

12) through:  $(-2, -5)$ , slope =  $\frac{7}{2}$

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

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

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

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

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

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

17) through:  $(-1, 3)$ , parallel to  $y = -6x + 2$

18) through:  $(3, 3)$ , parallel to  $y = -2x + 1$

19) through:  $(1, 3)$ , parallel to  $y = 2x + 3$

20) through:  $(5, 1)$ , parallel to  $y = \frac{2}{9}x + 5$

## Answers to Home Review Day 7 - Writing Eq of Lines

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

$$2) y = -2x - 1$$

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

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

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

$$6) y = \frac{3}{2}x + 4$$

$$7) y = 9x - 4$$

$$8) y = \frac{1}{5}x + 3$$

$$9) y = -\frac{4}{5}x - 3$$

$$10) y = 2x + 3$$

$$11) y = 7x - 5$$

$$12) y = \frac{7}{2}x + 2$$

$$13) y = 2x + 7$$

$$14) y = 8x - 37$$

$$15) y = x + 3$$

$$16) y = \frac{7}{2}x + 5$$

$$17) y = -6x - 3$$

$$18) y = -2x + 9$$

$$19) y = 2x + 1$$

$$20) y = \frac{2}{9}x - \frac{1}{9}$$