

7.4 Homework - Writing Linear Function Equations Date _____ Period _____

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

1) $y + 5 = x - 1$

2) $y + 4 = x + 3$

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

3) through: $(-5, 1)$, slope = -2

4) through: $(-3, 0)$, slope = 1

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

5) through: $(1, -4)$, parallel to $y = -\frac{7}{6}x - 4$

6) through: $(-1, -5)$, parallel to $y = 6x - 2$

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

7) through: $(-2, 4)$ and $(-4, 1)$

8) through: $(3, -2)$ and $(0, 5)$

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

10) through: $(5, 0)$ and $(-5, -5)$

Answers to 7.4 Homework - Writing Linear Function Equations

$$1) y = x - 6$$

$$2) y = x - 1$$

$$3) y = -2x - 9$$

$$4) y = x + 3$$

$$5) y = -\frac{7}{6}x - \frac{17}{6}$$

$$6) y = 6x + 1$$

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

$$8) y = -\frac{7}{3}x + 5$$

$$9) y = \frac{1}{10}x + \frac{9}{2}$$

$$10) y = \frac{1}{2}x - \frac{5}{2}$$