Slope-Intercept Form

Write each equation in slope-intercept form.

1) $3x + 4y = 8$

2) $9x + 35 = -5y$

3) $2y - 6 = -6x$

4) $-11x - 7y = -56$

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

6) $-2(2x + y) = 28$

7) $-14x + y = 7$

8) $12y = \frac{8x - 48}{3}$

9) $\frac{3(x - y)}{2} = 9$

10) $\frac{2}{3}x + 4(y - 2) = 0$

Answer key

Slope-Intercept Form

Write each equation in slope-intercept form.

1) $3x + 4y = 8$

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

2) $9x + 35 = -5y$

$$y = -\frac{9}{5}x - 7$$

3) $2y - 6 = -6x$

$$y = -3x + 3$$

4) $-11x - 7y = -56$

$$y = -\frac{11}{7}x + 8$$

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

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

6) $-2(2x + y) = 28$

$$y = -2x - 14$$

7) $-14x + y = 7$

$$y = 14x + 7$$

8) $12y = \frac{8x - 48}{3}$

$$y = \frac{2}{9}x - \frac{4}{3}$$

9) $\frac{3(x - y)}{2} = 9$

$$y = x - 6$$

10) $\frac{2}{3}x + 4(y - 2) = 0$

$$y = -\frac{1}{6}x + 2$$