

Name _____
Period _____Date _____
U4 L-1

Rewriting Equations in Slope-Intercept Form Homework

Rewrite each of the following equations in slope-intercept form: $y = mx + b$.

1) $8x - 4y = 20$

$$\frac{-4y}{-4} = \frac{-8x + 20}{-4}$$

$$y = 2x - 5$$

2) $2x + 3y = 12$

$$\frac{3y}{3} = \frac{-2x + 12}{3}$$

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

3) $2x + y = -11$

$$y = -2x - 11$$

4) $0.8x + 0.4y = 1.2$

$$8x + 4y = 12$$

$$\frac{4y}{4} = \frac{-8x + 12}{4}$$

$$y = -2x + 3$$

5) $\frac{3y}{3} = \frac{4x - 27}{3}$

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

6) $x - 4y = 8$

$$\frac{-4y}{-4} = \frac{-x + 8}{-4}$$

$$y = \frac{1}{4}x - 2$$

7) $y + 9 = 2(x + 5)$

$$y + 9 = 2x + 10$$

$$y = 2x + 1$$

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

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

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