

Slope-intercept Form

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

1) $3x + 5 = 9y$

2) $y - 12 = 7x - 12$

3) $2(x + y) = 8$

4) $4y + 6 + \frac{1}{4}x = \frac{3}{2}$

5) $-10x + 5y = 15$

6) $\frac{7}{6}y = x - 14$

7) $\frac{6x}{y + 8} = 3$

8) $5x - 12 = 9(2y - 1)$

9) $\frac{5}{4}(-x - 4) = \frac{1}{8}(6y - 10)$

10) $4x + 1 = -y + \frac{2}{9}$

Slope-intercept Form

Answer key

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

1) $3x + 5 = 9y$

$$\underline{y = \frac{1}{3}x + \frac{5}{9}}$$

2) $y - 12 = 7x - 12$

$$\underline{y = 7x}$$

3) $2(x + y) = 8$

$$\underline{y = -x + 4}$$

4) $4y + 6 + \frac{1}{4}x = \frac{3}{2}$

$$\underline{y = -\frac{1}{16}x - \frac{9}{8}}$$

5) $-10x + 5y = 15$

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

6) $\frac{7}{6}y = x - 14$

$$\underline{y = \frac{6}{7}x - 12}$$

7) $\frac{6x}{y+8} = 3$

$$\underline{y = 2x - 8}$$

8) $5x - 12 = 9(2y - 1)$

$$\underline{y = \frac{5}{18}x - \frac{1}{6}}$$

9) $\frac{5}{4}(-x - 4) = \frac{1}{8}(6y - 10)$

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

10) $4x + 1 = -y + \frac{2}{9}$

$$\underline{y = -4x - \frac{7}{9}}$$