

Slope-intercept Form

Express each equation of the line in $y = mx + b$ form.

1) $-4x - 6y = 1$

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

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

4) $6(8 + 3y) = x$

5) $\frac{y}{6} - \frac{x}{3} = 1$

6) $4(x - 5) = y + 12$

7) $6 - 2y = 0$

8) $\frac{3}{4} - 8x = 4y - 1$

9) $\frac{6}{7} = \frac{5x - 3y}{14}$

10) $5y - 6 = -x + 11$

Slope-intercept Form

Answer key

Express each equation of the line in $y = mx + b$ form.

1) $-4x - 6y = 1$

$$\underline{y = -\frac{2}{3}x - \frac{1}{6}}$$

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

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

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

$$\underline{y = -5x + 10}$$

4) $6(8 + 3y) = x$

$$\underline{y = \frac{1}{18}x - \frac{8}{3}}$$

5) $\frac{y}{6} - \frac{x}{3} = 1$

$$\underline{y = 2x + 6}$$

6) $4(x - 5) = y + 12$

$$\underline{y = 4x - 32}$$

7) $6 - 2y = 0$

$$\underline{y = 3}$$

8) $\frac{3}{4} - 8x = 4y - 1$

$$\underline{y = -2x + \frac{7}{16}}$$

9) $\frac{6}{7} = \frac{5x - 3y}{14}$

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

10) $5y - 6 = -x + 11$

$$\underline{y = \frac{-1}{5}x + \frac{17}{5}}$$