

Identify Slope and Intercept

L2S1

Write the slope and y-intercept of each equation.

1) $3y = 12x + 4$

2) $3x = \frac{16 - 2y}{2}$

3) $5y = \frac{15}{2}x - \frac{5}{7}$

4) $18x = 2y + 10$

5) $y = \frac{1}{2}(x + 6) + 1$

6) $8x + 4 = 2y$

7) $27x = -9y - 45$

8) $-y = -18x + 1$

9) $4(5x + 3) = 2y$

10) $3 = \frac{x}{2} + y$

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Write the slope and y-intercept of each equation.

1) $3y = 12x + 4$

Slope = 4 ; y-intercept = $\frac{4}{3}$

2) $3x = \frac{16 - 2y}{2}$

Slope = -3 ; y-intercept = 8

3) $5y = \frac{15}{2}x - \frac{5}{7}$

Slope = $\frac{3}{2}$; y-intercept = $-\frac{1}{7}$

4) $18x = 2y + 10$

Slope = 9 ; y-intercept = -5

5) $y = \frac{1}{2}(x + 6) + 1$

Slope = $\frac{1}{2}$; y-intercept = 4

6) $8x + 4 = 2y$

Slope = 4 ; y-intercept = 2

7) $27x = -9y - 45$

Slope = -3 ; y-intercept = -5

8) $-y = -18x + 1$

Slope = 18 ; y-intercept = -1

9) $4(5x + 3) = 2y$

Slope = 10 ; y-intercept = 6

10) $3 = \frac{x}{2} + y$

Slope = $-\frac{1}{2}$; y-intercept = 3