

Math Sheet

Name _____ Score _____ / 10 Teacher _____ Date _____

Slope and Intercept from Equations

Find the requested properties of each line.

1. $y = 3x + 3$

Slope: _____

y-intercept: _____

6. $y = -2x - 1$

Slope: _____

y-intercept: _____

2. $y = -6x + 3$

Slope: _____

y-intercept: _____

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

Slope: _____

y-intercept: _____

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

Slope: _____

y-intercept: _____

8. $y = -\frac{1}{10}x - 1$

Slope: _____

y-intercept: _____

4. $y = -\frac{5}{2}x$

Slope: _____

y-intercept: _____

9. $y = 3x + 1$

Slope: _____

y-intercept: _____

5. $y = 6x - 3$

Slope: _____

y-intercept: _____

10. $y = -6x + 1$

Slope: _____

y-intercept: _____

Slope and Intercept from Equations

Answer key

Find the requested properties of each line.

1. $y = 3x + 3$

Slope: 3

y-intercept: 3

$$y = 3x + 3$$

Read the coefficient and constant from the equation.

6. $y = -2x - 1$

Slope: -2

y-intercept: -1

$$y = -2x - 1$$

Read the coefficient and constant from the equation.

2. $y = -6x + 3$

Slope: -6

y-intercept: 3

$$y = -6x + 3$$

Read the coefficient and constant from the equation.

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

Slope: $\frac{4}{5}$

y-intercept: -3

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

Read the coefficient and constant from the equation.

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

Slope: $\frac{8}{3}$

y-intercept: -4

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

Read the coefficient and constant from the equation.

8. $y = -\frac{1}{10}x - 1$

Slope: $-\frac{1}{10}$

y-intercept: -1

$$y = -\frac{1}{10}x - 1$$

Read the coefficient and constant from the equation.

4. $y = -\frac{5}{2}x$

Slope: $-\frac{5}{2}$

y-intercept: 0

$$y = -\frac{5}{2}x$$

Read the coefficient and constant from the equation.

9. $y = 3x + 1$

Slope: 3

y-intercept: 1

$$y = 3x + 1$$

Read the coefficient and constant from the equation.

5. $y = 6x - 3$

Slope: 6

y-intercept: -3

$$y = 6x - 3$$

Read the coefficient and constant from the equation.

10. $y = -6x + 1$

Slope: -6

y-intercept: 1

$$y = -6x + 1$$

Read the coefficient and constant from the equation.