

## Linear Equations (C)

Slope-Intercept Form ( $y = mx + b$ )

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

1. Slope:  $-\frac{1}{5}$     y-intercept: 12

2. Slope: 6    y-intercept: 8

3. Slope: -1    y-intercept: -8

4. Slope:  $\frac{9}{7}$     y-intercept: -7

5. Slope:  $-\frac{8}{3}$     y-intercept: 1

6. Slope:  $\frac{7}{4}$     y-intercept: -7

7. Slope: 1    y-intercept: 0

8. Slope: -8    y-intercept: 12

9. Slope: -1    y-intercept: 0

10. Slope:  $\frac{5}{3}$     y-intercept: 8

## Linear Equations (C) Answers

Slope-Intercept Form ( $y = mx + b$ )

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

1. Slope:  $-\frac{1}{5}$     y-intercept: 12

$$y = -\frac{1}{5}x + 12$$

2. Slope: 6    y-intercept: 8

$$y = 6x + 8$$

3. Slope: -1    y-intercept: -8

$$y = -x - 8$$

4. Slope:  $\frac{9}{7}$     y-intercept: -7

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

5. Slope:  $-\frac{8}{3}$     y-intercept: 1

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

6. Slope:  $\frac{7}{4}$     y-intercept: -7

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

7. Slope: 1    y-intercept: 0

$$y = x$$

8. Slope: -8    y-intercept: 12

$$y = -8x + 12$$

9. Slope: -1    y-intercept: 0

$$y = -x$$

10. Slope:  $\frac{5}{3}$     y-intercept: 8

$$y = \frac{5}{3}x + 8$$