

Linear Equations (B)

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

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

1. Slope: 5 y-intercept: -4

2. Slope: -8 y-intercept: 8

3. Slope: -1 y-intercept: -12

4. Slope: -1 y-intercept: -4

5. Slope: -9 y-intercept: 12

6. Slope: $\frac{4}{3}$ y-intercept: 7

7. Slope: $\frac{4}{3}$ y-intercept: -11

8. Slope: $\frac{4}{3}$ y-intercept: -5

9. Slope: 7 y-intercept: -1

10. Slope: -6 y-intercept: 6

Linear Equations (B) Answers

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

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

1. Slope: 5 y-intercept: -4

$$y = 5x - 4$$

2. Slope: -8 y-intercept: 8

$$y = -8x + 8$$

3. Slope: -1 y-intercept: -12

$$y = -x - 12$$

4. Slope: -1 y-intercept: -4

$$y = -x - 4$$

5. Slope: -9 y-intercept: 12

$$y = -9x + 12$$

6. Slope: $\frac{4}{3}$ y-intercept: 7

$$y = \frac{4}{3}x + 7$$

7. Slope: $\frac{4}{3}$ y-intercept: -11

$$y = \frac{4}{3}x - 11$$

8. Slope: $\frac{4}{3}$ y-intercept: -5

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

9. Slope: 7 y-intercept: -1

$$y = 7x - 1$$

10. Slope: -6 y-intercept: 6

$$y = -6x + 6$$