

Linear Equations (F)

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

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

1. Slope: $\frac{1}{2}$ y-intercept: -4

2. Slope: $-\frac{1}{3}$ y-intercept: -10

3. Slope: $\frac{6}{5}$ y-intercept: 2

4. Slope: $\frac{1}{2}$ y-intercept: 2

5. Slope: $-\frac{7}{2}$ y-intercept: -6

6. Slope: $-\frac{5}{7}$ y-intercept: -5

7. Slope: $\frac{7}{2}$ y-intercept: -7

8. Slope: 7 y-intercept: 1

9. Slope: -9 y-intercept: -9

10. Slope: $-\frac{9}{8}$ y-intercept: -3

Linear Equations (F) Answers

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

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

1. Slope: $\frac{1}{2}$ y-intercept: -4

$$y = \frac{1}{2}x - 4$$

2. Slope: $-\frac{1}{3}$ y-intercept: -10

$$y = -\frac{1}{3}x - 10$$

3. Slope: $\frac{6}{5}$ y-intercept: 2

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

4. Slope: $\frac{1}{2}$ y-intercept: 2

$$y = \frac{1}{2}x + 2$$

5. Slope: $-\frac{7}{2}$ y-intercept: -6

$$y = -\frac{7}{2}x - 6$$

6. Slope: $-\frac{5}{7}$ y-intercept: -5

$$y = -\frac{5}{7}x - 5$$

7. Slope: $\frac{7}{2}$ y-intercept: -7

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

8. Slope: 7 y-intercept: 1

$$y = 7x + 1$$

9. Slope: -9 y-intercept: -9

$$y = -9x - 9$$

10. Slope: $-\frac{9}{8}$ y-intercept: -3

$$y = -\frac{9}{8}x - 3$$