

Linear Equations (H)

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

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

1. Slope: 5 y-intercept: -1

2. Slope: -1 y-intercept: 1

3. Slope: 4 y-intercept: 0

4. Slope: $\frac{3}{4}$ y-intercept: -2

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

6. Slope: $\frac{6}{5}$ y-intercept: 1

7. Slope: -5 y-intercept: -11

8. Slope: $-\frac{9}{2}$ y-intercept: 7

9. Slope: 9 y-intercept: -10

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

Linear Equations (H) Answers

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

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

1. Slope: 5 y-intercept: -1

$$y = 5x - 1$$

2. Slope: -1 y-intercept: 1

$$y = -x + 1$$

3. Slope: 4 y-intercept: 0

$$y = 4x$$

4. Slope: $\frac{3}{4}$ y-intercept: -2

$$y = \frac{3}{4}x - 2$$

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

$$y = -\frac{3}{2}x + 1$$

6. Slope: $\frac{6}{5}$ y-intercept: 1

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

7. Slope: -5 y-intercept: -11

$$y = -5x - 11$$

8. Slope: $-\frac{9}{2}$ y-intercept: 7

$$y = -\frac{9}{2}x + 7$$

9. Slope: 9 y-intercept: -10

$$y = 9x - 10$$

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

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