Linear Equations (E)

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

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

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

2. Slope: $-\frac{1}{7}$ y-intercept: 9

3. Slope: 3 y-intercept: 8

4. Slope: -1 y-intercept: -6

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

6. Slope: 2 y-intercept: 9

7. Slope: $\frac{7}{6}$ y-intercept: 10

8. Slope: $-\frac{2}{3}$ y-intercept: 9

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

10. Slope: $-\frac{4}{7}$ y-intercept: -8

Linear Equations (E) Answers

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

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

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

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

2. Slope: $-\frac{1}{7}$ y-intercept: 9

   $y = -\frac{1}{7}x + 9$

3. Slope: 3 y-intercept: 8

   $y = 3x + 8$

4. Slope: -1 y-intercept: -6

   $y = -x - 6$

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

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

6. Slope: 2 y-intercept: 9

   $y = 2x + 9$

7. Slope: $\frac{7}{6}$ y-intercept: 10

   $y = \frac{7}{6}x + 10$

8. Slope: $-\frac{2}{3}$ y-intercept: 9

   $y = -\frac{2}{3}x + 9$

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

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

10. Slope: $-\frac{4}{7}$ y-intercept: -8

    $y = -\frac{4}{7}x - 8$