Linear Equations (A)

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

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

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

2. Slope: -1 y-intercept: -5

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

4. Slope: $\frac{7}{6}$ y-intercept: -8

5. Slope: 8 y-intercept: -9

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

7. Slope: $-\frac{4}{3}$ y-intercept: -9

8. Slope: $\frac{8}{9}$ y-intercept: 12

9. Slope: $-\frac{1}{4}$ y-intercept: 9

10. Slope: $\frac{7}{9}$ y-intercept: -12

Linear Equations (A) Answers

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

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

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

   $y = \frac{4}{5}x - 8$

2. Slope: -1 y-intercept: -5

   $y = -x - 5$

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

   $y = \frac{7}{5}x - 2$

4. Slope: $\frac{7}{6}$ y-intercept: -8

   $y = \frac{7}{6}x - 8$

5. Slope: 8 y-intercept: -9

   $y = 8x - 9$

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

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

7. Slope: $-\frac{4}{3}$ y-intercept: -9

   $y = -\frac{4}{3}x - 9$

8. Slope: $\frac{8}{9}$ y-intercept: 12

   $y = \frac{8}{9}x + 12$

9. Slope: $-\frac{1}{4}$ y-intercept: 9

   $y = -\frac{1}{4}x + 9$

10. Slope: $\frac{7}{9}$ y-intercept: -12

    $y = \frac{7}{9}x - 12$