

Name _____ Class _____ Date _____

Practice It!

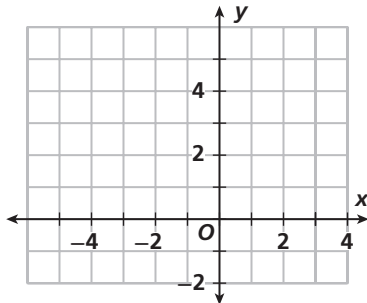


MA.8.A.1.2 Interpret the slope and the x - and y -intercepts when graphing a linear equation for a real-world problem.

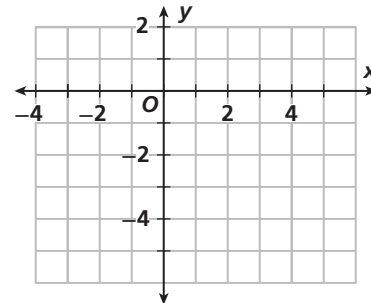
Using Slopes and Intercepts

Find the x -intercept and y -intercept of each line. Use the intercepts to graph the equation.

1. $x = y - 5$



2. $3x - 2y = 6$



Write each equation in slope-intercept form, and then find the slope and y -intercept.

3. $2x = y - 4$

4. $4x - 3y = -9$

5. $x - 4y = 8$

Write the equation of the line that passes through each pair of points in slope-intercept form.

6. $(-1, 7), (4, -3)$

7. $(2, 5), (-8, 15)$

8. $(8, 4), (-10, -5)$

9. Thad's father gives him \$10 for a passing report card plus \$5 for every grade of A. Write an equation of a line in slope-intercept form to express y , the amount received with x grades of A. State the slope, and y -intercept of the equation.
