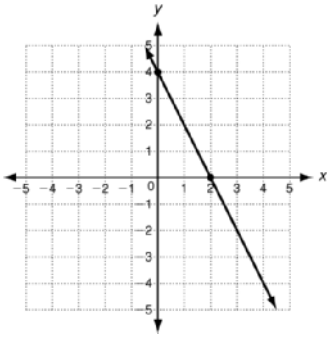
Name _____ Date _____ Class _____

LESSON 5-2

Practice A

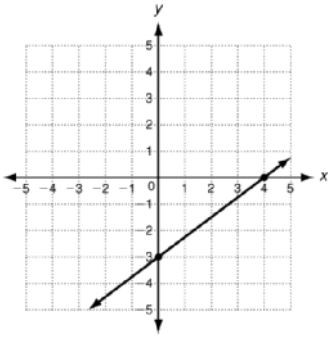
Using Intercepts

Find the *x*- and *y*-intercepts.

1. 

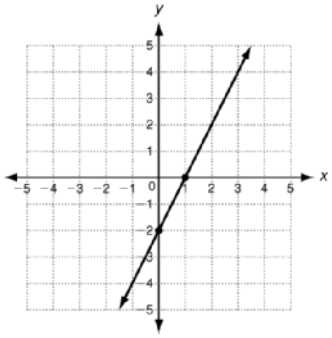
x-intercept: _____

y-intercept: _____

2. 

x-intercept: _____

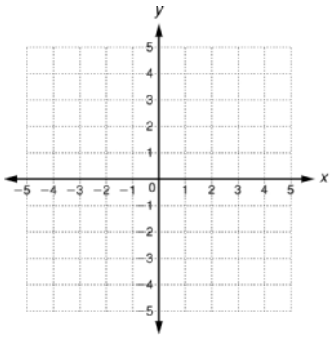
y-intercept: _____

3. 

x-intercept: _____

y-intercept: _____

4. Find the intercepts of $2x + 3y = 6$ by following the steps below.



   a. Substitute $y = 0$ into the equation. Solve for x.

   _____

   b. The *x*-intercept is: _____

   c. Substitute $x = 0$ into the equation. Solve for y.

   _____

   d. The *y*-intercept is: _____

   e. Use the intercepts to graph the line described by the equation.

5. Jennifer started with $50 in her savings account. Each week she withdrew $10. The amount of money in her savings account after x weeks is represented by the function $f(x) = 50 - 10x$.

   a. Find the intercepts and graph the function.

   _____

   b. What does each intercept represent?

   _____

   _____

   _____