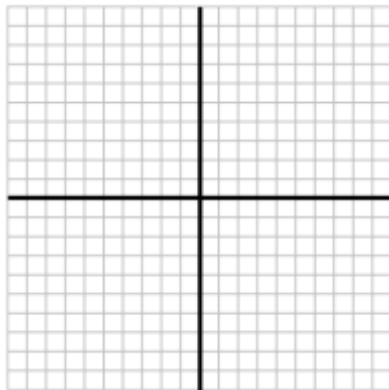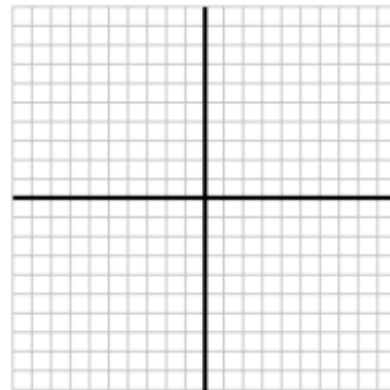Name: _____   Date: _____

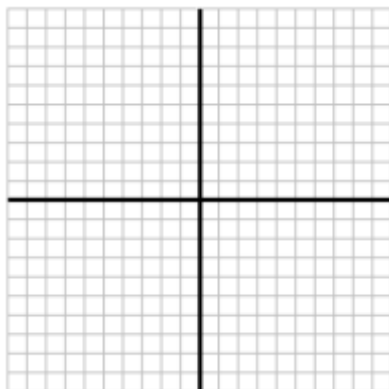Find the *x*- and *y*-intercepts of the graph of the linear equation.
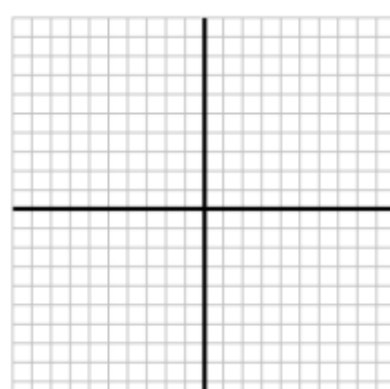
1. $-5x + 7y = -35$
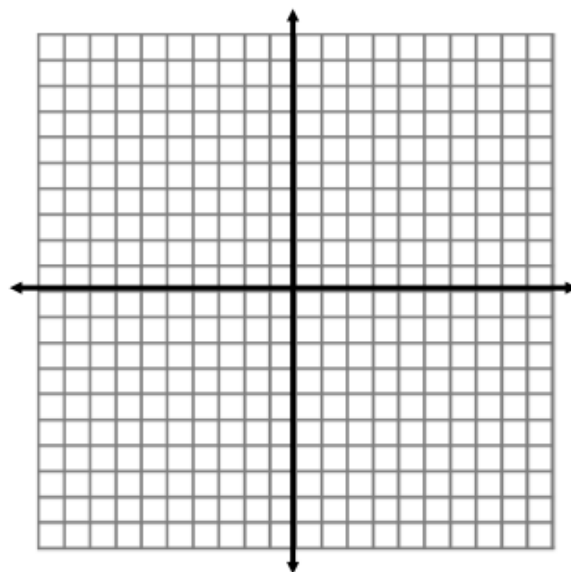
2. $-6x - 9y = 54$

3. $4x - 3y = 1$

4. $x - 5y = 2$

5. The function 6x + 3y = 12 represents the number of book raffle tickets *x* and food raffle tickets *y* you buy at a club event.
   a. Solve the equation for *y*.

   b. Make an input-output table to find ordered pairs for the function.
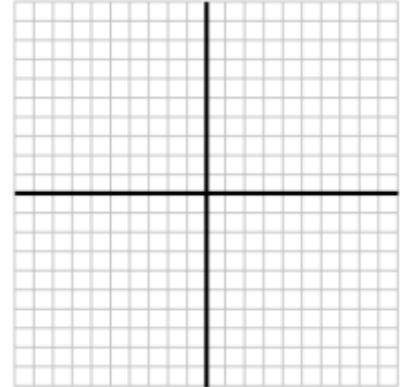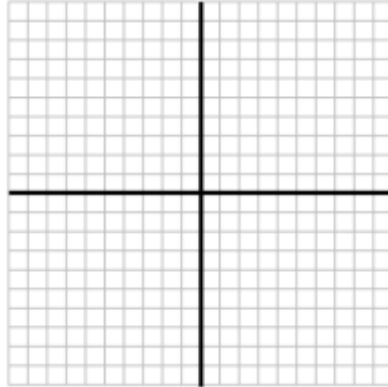
   c. Plot the ordered pairs in a coordinate plane.
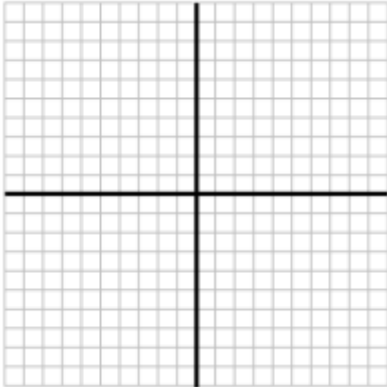
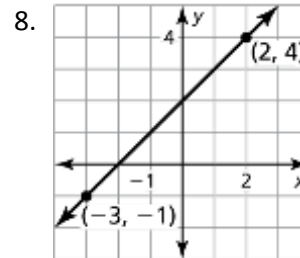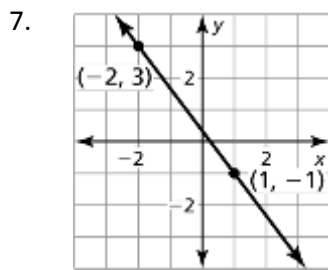6. Evaluate the function when x = -2, -1, 0, and 3, then graph it below.

a. $f(x) = x - 3$ b. g(x) = -2x   c. h(x) = 5 -3x

Describe the slope of the line (positive, negative, undefined, zero). Then find the slope and write an equation for the line in slope-intercept form.

7.

8.

Graph the linear equation.

9. x – 3y = 6   10. 4 – y = 2x