Warm Up 1.6H

Name _____ Period _____

Find the x- and y-intercepts for the equations below.
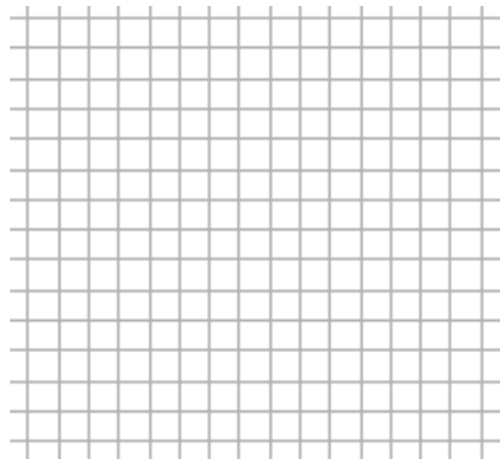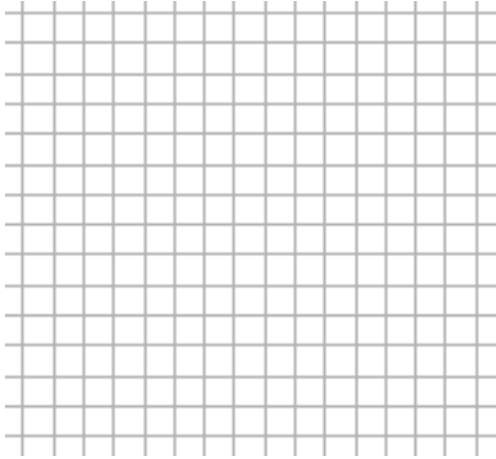
1. $3x + 5y = 15$

2. $-6x + 2y = 24$

Solve the following systems of equations by graphing them and determining the solution from the graph.

3. $\begin{cases} y = -3x + 5 \\ y = 2x - 5 \end{cases}$

4. $\begin{cases} y = \dfrac{1}{3}x - 2 \\ y = -2x + 5 \end{cases}$

For each equation or inequality determine which of the choices is a solution, there could be more than one.

5. $y = 5x - 2$
   a. (-2, 3)
   b. (3, 10)
   c. (-1, -9)
   d. (1, 3)

6. $4x - 3y = 12$
   a. (-1, 5)
   b. (3, 0)
   c. (-2, 0)
   d. (1, -4)

7. $y < -2x + 7$
   a. (0, 2)
   b. (3, 5)
   c. (4, 0)
   d. (-3, 15)

8. $2x + 3y > 6$
   a. (0, -1)
   b. (-3, -2)
   c. (0, 3)
   d. (1, 1)