1. In $\triangle PQR$, $m\angle P = (3x - 5)°$, $m\angle Q = (7x - 2)°$, and $m\angle R = (5x + 7)°$. **Find the indicated measures.**
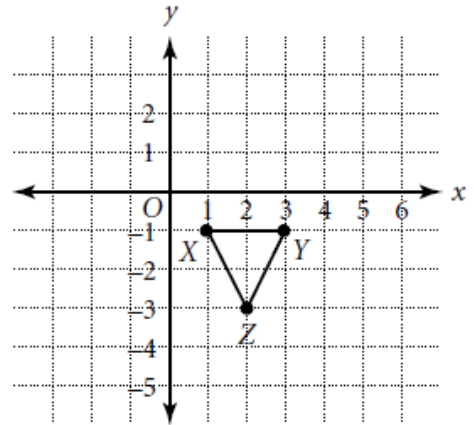
   x _____ $m\angle P$ _____

   $m\angle Q$ _____ $m\angle R$ _____

2. Using the diagram to the right, what are the coordinates of the image vertices after:

   a.   A reflection over the line x = -1

   b.   A rotation 90° clockwise around (0, 0)

3. Find the slope of the line between:
a. (3, 6) and (4, 8)   c. (5, 5,) and (-2, 5)

b. (-2, 3) and (1, -1)   d. (-3, 6) and (-3, 2)

4. Write the equation of a line if:
   a. m = $2/9$ and b = 3.   b. it passes through (4, 5) and (0, 2).

5. Write the equation of a line if:
   a. m = 2 and passes through (-5, 9)
   b. it passes through (3, 5) and (0, 7).

6. Graph the following lines.
   a. y − x = 4
   b. 4x − 8y = 16