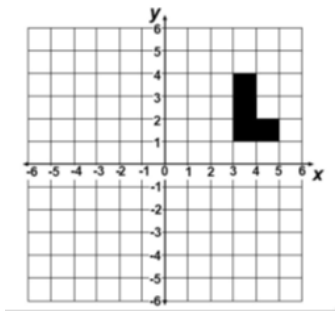


## Reflections Practice WS 2

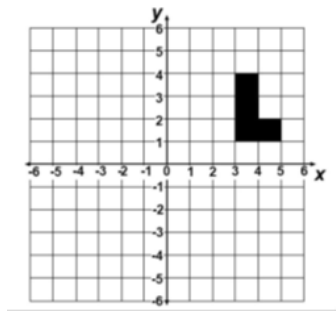
Name \_\_\_\_\_ Class Period \_\_\_\_\_

**1. Where will the L-Shape be if it is...**

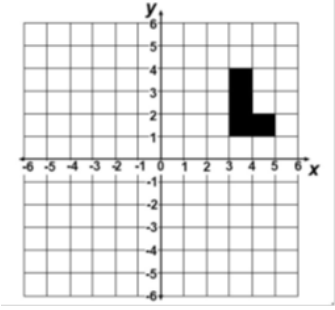
a. reflected over the x-axis?



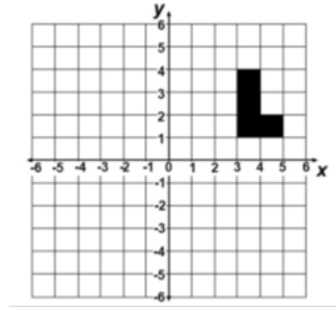
b. reflected over the y-axis?



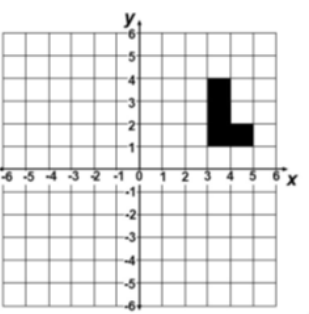
c. reflected over the line  $y = x$ ?



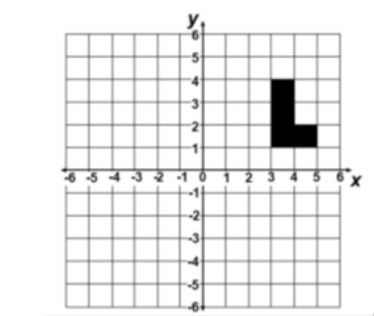
d. reflected over the line  $y = -x$ ?



e. reflected over the line  $x = 2$ ?

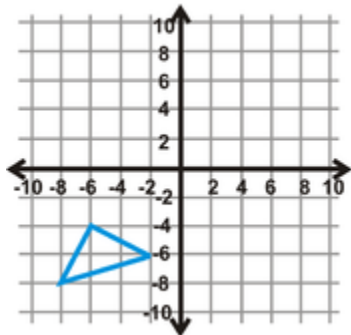


f. reflected over the line  $y = -1$ ?

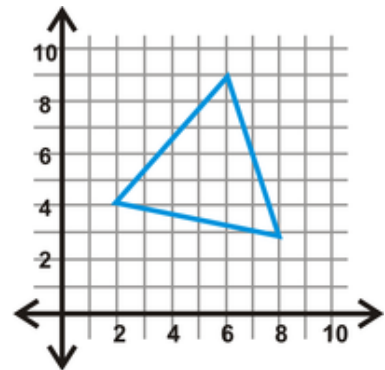


**2. Reflect each shape over the given line.**

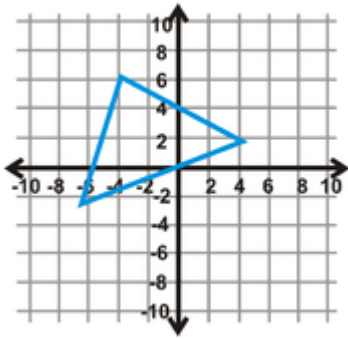
a.  $y = -5$



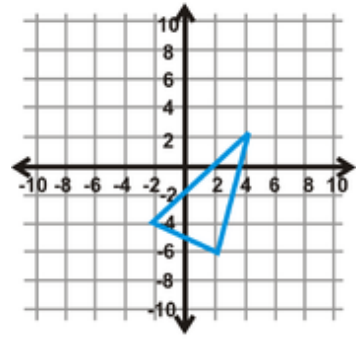
b.  $x = 5$



c.  $x = -1$

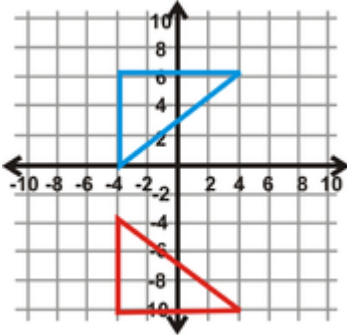


d.  $x$ -axis

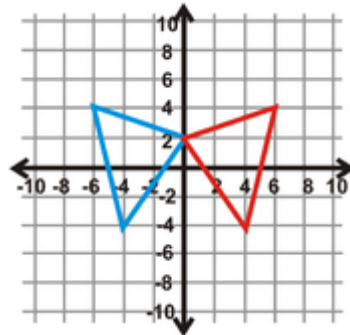


3. Find the line of reflection between the pre-image and the image.

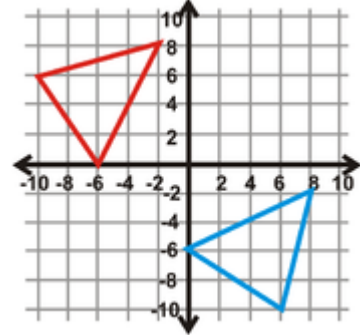
a.



b.



c.



4. Two Reflections The vertices of  $\triangle ABC$  are  $A(6, -2)$ ,  $B(8, -4)$ , and  $C(3, -7)$ . Use this information to answer questions a-d.

- Plot  $\triangle ABC$  on the coordinate plane.
- Reflect  $\triangle ABC$  over  $x = 2$ . Find the coordinates of  $\triangle A'B'C'$ .
- Reflect  $\triangle A'B'C'$  over  $x = -4$ . Find the coordinates of  $\triangle A''B''C''$ .
- What one transformation would be the same as this double reflection?

