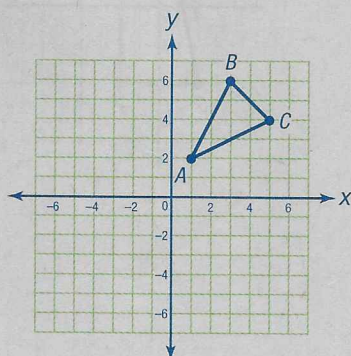


Practice

Draw each reflected image as described and name its vertices. Identify the coordinates of the vertices of the image.

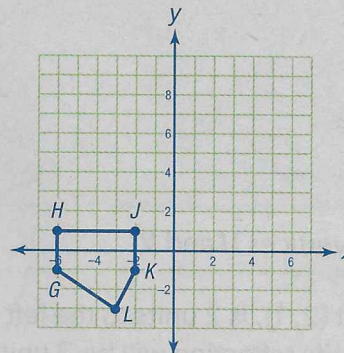
1. Reflect $\triangle ABC$ across the x -axis.



$A'(_, _)$ $B'(_, _)$ $C'(_, _)$

REMEMBER When a point is reflected across the x -axis, the sign of its y -coordinate changes.

2. Reflect pentagon $GHIJKL$ across the line $y = 3$.



$G'(_, _)$ $H'(_, _)$ $I'(_, _)$

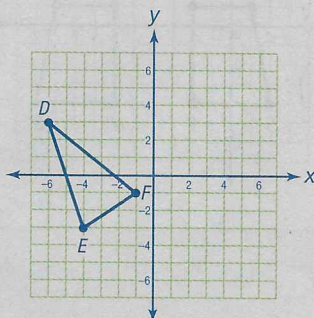
$K'(_, _)$ $L'(_, _)$

Fill in each blank with an appropriate word or phrase.

- A reflection results in two figures that look like _____ of each other.
- Lines that meet and form right angles are called _____ lines.
- A point and its reflection are each the same distance from _____.
- The path that a point takes across the line of reflection is _____ to the line of reflection.

Use the given function to transform $\triangle DEF$. Then describe the transformation in words.

7. $R(x, y) = (-x, y)$



8. $R(x, y) = (y, x)$

