

Name \_\_\_\_\_

## Section 2.4 - Rotations

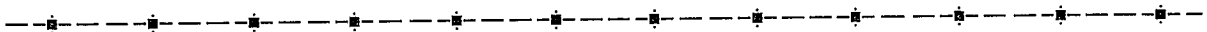
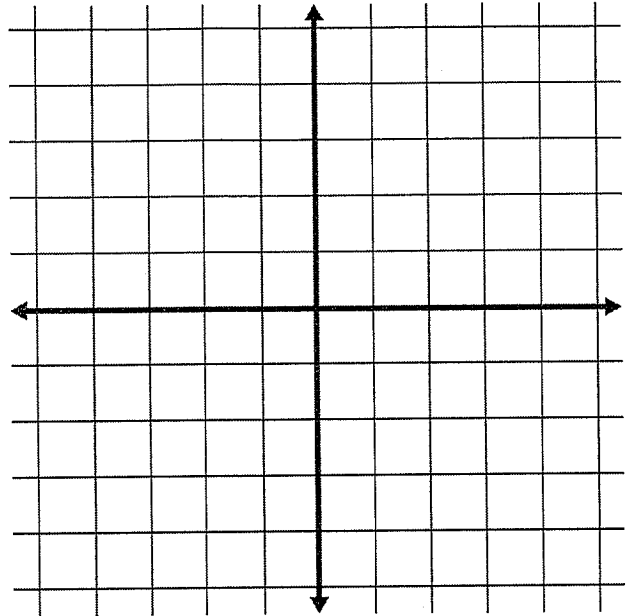
**A.** Plot the vertices for the triangle listed below. Rotate the figure as indicated and list the new coordinates of the images.

Triangle  $EFG$  at  $E(2, 4)$ ,  $F(5, 1)$ ,  $G(2, 1)$

Rotate  $90^\circ$  clockwise.

Rotate  $180^\circ$ .

Rotate  $90^\circ$  counterclockwise.



**B.** Plot the vertices of the quadrilateral listed below. Rotate the figure as indicated and list the new coordinates of the images.

Quadrilateral  $WXYZ$  at  $W(-5, 2)$ ,  $X(-2, 5)$ ,  $Y(0, 3)$ ,  $Z(-3, 0)$

Rotate  $90^\circ$  clockwise.

Rotate  $180^\circ$ .

Rotate  $90^\circ$  counterclockwise.

