Topic Quiz: Rotations of Points

Rotate the point on the graph as directed and write the new coordinates.

- **1.** Rotate *F* 90° counterclockwise about the origin. F' = (_____, ____)
- **2.** Rotate *G* 180° about the origin. G' = (_____, ____)
- **3.** Rotate H 90° clockwise about the origin. H' = (______, _____)
- **4.** What angle of rotation about the origin would take point *A* to point *A*'?

A snowman graphic has been placed incorrectly on the page.

5. Describe how you should rotate the graphic so that the snowman is standing up.

The snowman must be rotated ______ about the origin.

6. Write the coordinates of the nose when the graphic is right side up.

The new coordinates are (_____ , ____)



