Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_

Mr. Kaufman Geometry

**Rotations**

Guided Practice:

1. Draw the image of the letter P after a clockwise rotation of 180 degrees.

2.



3.



4. Draw and label the image of this triangle after a 270 degree clockwise rotation.



Independent Practice:

**You’re going to make a unique piece of art!**

1. On the graph below, draw a figure entirely inside of the 1st quadrant with one corner of the figure on the origin.
2. Label the coordinates of your figure.
3. Then rotate the figure 3 times. Rotate it clockwise 90 degrees, 180 degrees, and 270 degrees. Each time you rotate it label the coordinates of the image.



CLAIM: My figure and each of its images are \_\_\_\_\_\_\_\_\_\_\_\_.

Evidence #1: Your graph!

Evidence #2: How do you know that your claim is true? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_