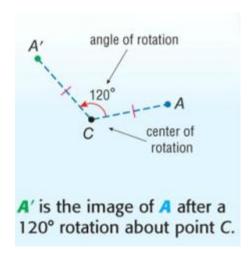


Rotation: a transformation that turns a figure around a point.

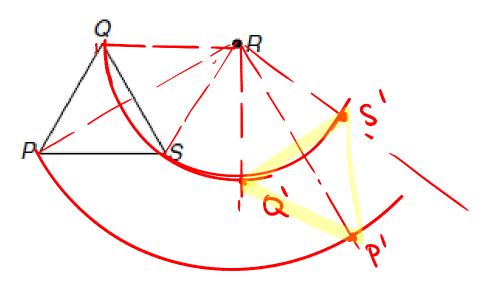


## Steps for Rotating a Figure:

- 1. Draw a line from pt. you want to rotate to center
- 2. Then using the line you just created, find the ∠ (degrees)

  Draw that line through center. (Did you create an angle?)
- 3. Use the compass to move your pt. to the line you just created.

## 90° counterclockwise



## Goals

You will draw a rotation using a protractor and compass.

You will draw a rotation in the coordinate plane

You will identify three-dimensional objects generated by rotations of two-dimensional objects.

 $\triangle STW$  with vertices S(2, -1), T(5, 1), and W(3, 3) counterclockwise  $\bigcirc 0$ 

