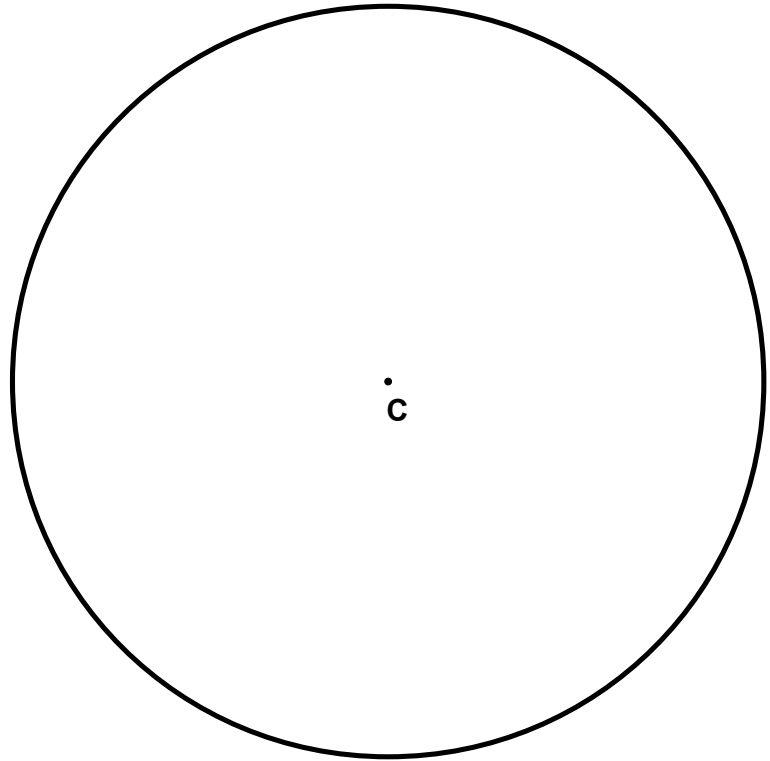


1. You can have dilations of any size. You have constructed 2-dilations and 3-dilations. What about a 0.4-dilation? Below is a circle with center C. Create a 0.4-dilation of the circle, with center of dilation P. What geometric figure do you get? How do you know for sure?

P•



2. Measure or calculate the radius, diameter, circumference, and area of both the circle with center C and its dilated image. Are there relationships between the measures of the original circle and its dilated image?