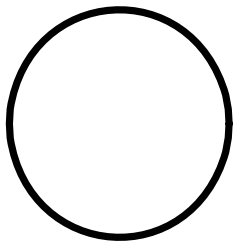
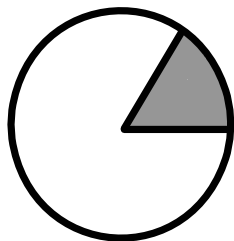


Areas of Circles and Sectors



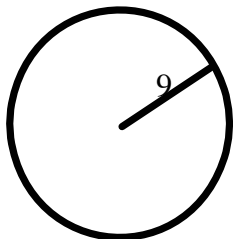
$$\text{Area of a Circle} = \pi r^2$$



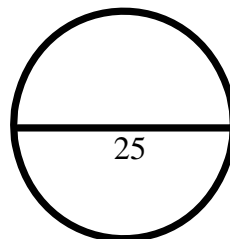
$$\text{Area of a Sector} = \pi r^2 \cdot \frac{\text{central angle}}{360^\circ}$$

1. Find the area of each circle.

a)

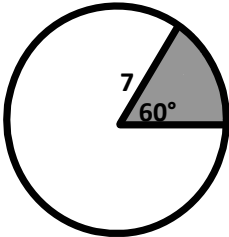


b)

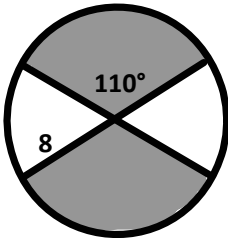


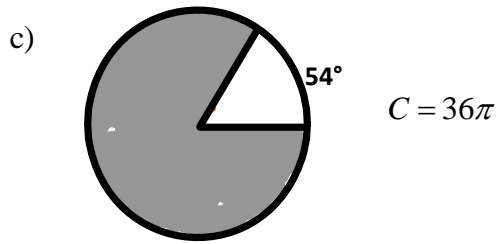
2. Find the area of the shaded region.

a)

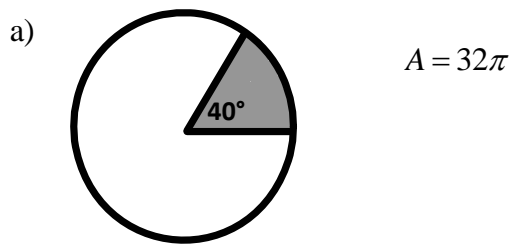


b)

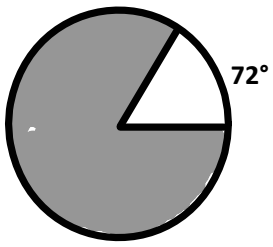




3. Find the radius of circle A. Round your answer to the nearest hundredth.



b)



$A = 134.24$ square inches