

Chapter 10 Review (Part 2)

Match each perimeter ratio to the correct area ratio.

$$\frac{9}{10} \qquad \qquad \qquad \frac{9}{256}$$

$$\frac{2}{5} \qquad \qquad \qquad \frac{64}{25}$$

$$\frac{3}{16} \qquad \qquad \qquad \frac{81}{100}$$

$$\frac{12}{17} \qquad \qquad \qquad \frac{144}{289}$$

$$\frac{8}{5} \qquad \qquad \qquad \frac{4}{25}$$

The scale factor of two similar hexagons is $\frac{3}{7}$. The area of the smaller hexagon is 18 cm^2 . What is the area of the larger hexagon?

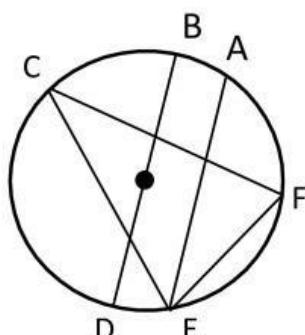
The areas of two similar pentagons are 96 in^2 and 486 in^2 . What is the ratio of their perimeters?

Sort each arc into the correct category.

$$\widehat{AC} \qquad \widehat{AE} \qquad \widehat{ABD} \qquad \widehat{BCD}$$

$$\widehat{AFC} \qquad \widehat{DAB} \qquad \widehat{AEB} \qquad \widehat{BF}$$

$$\widehat{FDC} \qquad \widehat{EAD} \qquad \widehat{DA} \qquad \widehat{CFD}$$



Minor arc	Major arc	Semicircle

Find the length of each minor arc of the circle if the radius is 6in.

$$\widehat{AD} =$$

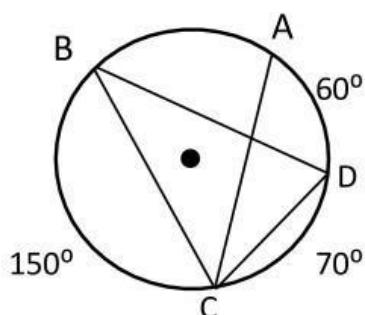
$$\widehat{BA} =$$

$$\widehat{AC} =$$

$$\widehat{DC} =$$

$$\widehat{CB} =$$

$$\widehat{BD} =$$



Find the area of each sector.

$$\text{Sector } FGN =$$

$$\text{Sector } NGH =$$

$$\text{Sector } HGK =$$

$$\text{Sector } MGK =$$

