

Chapter 10 Review (Part 2)

Match each perimeter ratio to the correct area ratio.

$$\frac{9}{10}$$

$$\frac{9}{256}$$

$$\frac{2}{5}$$

$$\frac{64}{25}$$

$$\frac{3}{16}$$

$$\frac{81}{100}$$

$$\frac{12}{17}$$

$$\frac{144}{289}$$

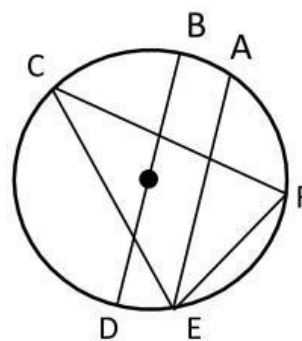
$$\frac{8}{5}$$

$$\frac{4}{25}$$

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}
 \widehat{AE}
 \widehat{ABD}
 \widehat{BCD}
 \widehat{AFC}
 \widehat{DAB}
 \widehat{AEB}
 \widehat{BF}
 \widehat{FDC}
 \widehat{EAD}
 \widehat{DA}
 \widehat{CFD}


Minor arc	Major arc	Semicircle

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

$$\widehat{AD} =$$

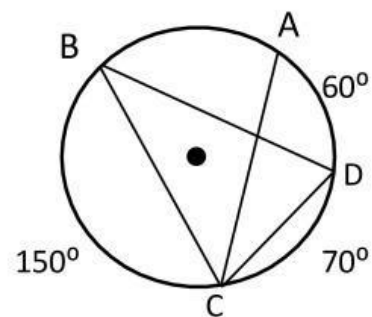
$$\widehat{BA} =$$

$$\widehat{AC} =$$

$$\widehat{DC} =$$

$$\widehat{CB} =$$

$$\widehat{BD} =$$



Find the area of each sector.

$$\text{Sector } FGN =$$

$$\text{Sector } NGH =$$

$$\text{Sector } HGK =$$

$$\text{Sector } MGK =$$

