

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}

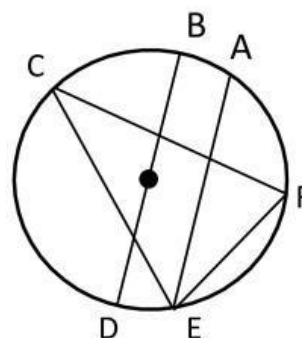
\widehat{BF}

\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.

$$\widehat{AD} =$$

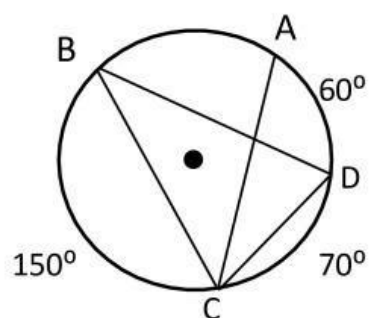
$$\widehat{BA} =$$

$$\widehat{AC} =$$

$$\widehat{DC} =$$

$$\widehat{CB} =$$

$$\widehat{BD} =$$



Find the area of each sector.

$$\text{Sector } FGN =$$

$$\text{Sector } NGH =$$

$$\text{Sector } HGK =$$

$$\text{Sector } MGK =$$

