

## Chapter 10 Review (Part 2)

Match each perimeter ratio to the correct area ratio.

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

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

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

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

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

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

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

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

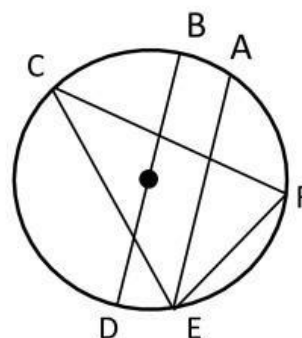
$$\frac{8}{5}$$

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

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

The areas of two similar pentagons are  $96 \text{ in}^2$  and  $486 \text{ in}^2$ . 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.

$$\widehat{AD} =$$

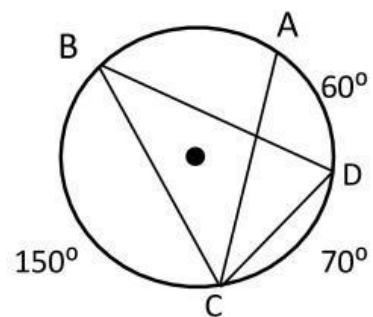
$$\widehat{BA} =$$

$$\widehat{AC} =$$

$$\widehat{DC} =$$

$$\widehat{CB} =$$

$$\widehat{BD} =$$



Find the area of each sector.

$$\text{Sector } FGN =$$

$$\text{Sector } NGH =$$

$$\text{Sector } HGK =$$

$$\text{Sector } MGK =$$

