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?

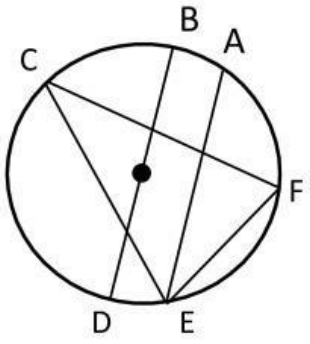
The areas of two similar pentagons are 96 in^2 and 486 in^2. What is the ratio of their perimeters?

Sort each arc into the correct category.

$\overset{\frown}{AC}$ $\overset{\frown}{AE}$ $\overset{\frown}{ABD}$ $\overset{\frown}{BCD}$

$\overset{\frown}{AFC}$ $\overset{\frown}{DAB}$ $\overset{\frown}{AEB}$ $\overset{\frown}{BF}$

$\overset{\frown}{FDC}$ $\overset{\frown}{EAD}$ $\overset{\frown}{DA}$ $\overset{\frown}{CFD}$



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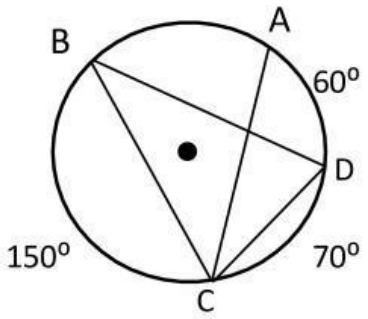
Minor arc	Major arc	Semicircle

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

$\widehat{AD} =$ $\widehat{BA} =$

$\widehat{AC} =$ $\widehat{DC} =$

$\widehat{CB} =$ $\widehat{BD} =$



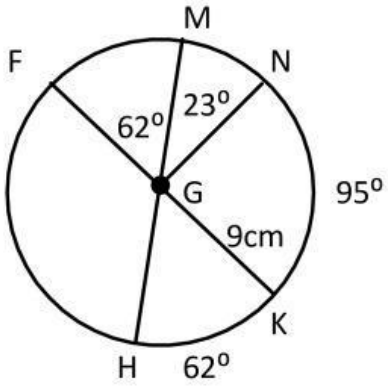
Find the area of each sector.

Sector $FGN =$

Sector $NGH =$

Sector $HGK =$

Sector $MGK =$



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