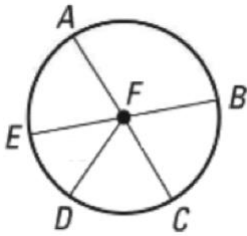


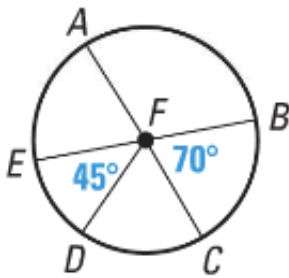
LEVEL: EMERGING

Directions: Given the following diagram, answer questions #1-5



1) Name a radius of the circle.		
2) Name a diameter of the circle.		
3) Is \widehat{ED} a:	a) minor arc	b) major arc
	c) semicircle	
4) Is \widehat{ECB} a:	a) minor arc	b) major arc
	c) semicircle	
5) Is \widehat{ECA} a:	a) minor arc	b) major arc
	c) semicircle	

Directions: Given the following diagram, answer questions #6-9



6) What is the $m\widehat{DC}$?	
7) What is the $m\widehat{ACB}$?	
8) What is the $m\angle AFE$?	
9) What is the $m\angle BFD$?	

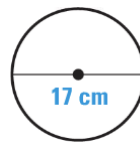
LEVEL: PROFICIENT

FINDING CIRCUMFERENCE Directions: Find the exact and approximate indicated measure. Round all decimal answers to the nearest thousandth.

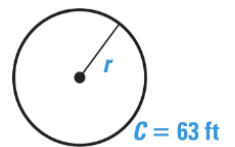
10) Circumference



11) Circumference



12) Radius



FINDING AREA Directions: Find the exact area of a circle with the given radius r and diameter d . Then the approximation rounded to the nearest thousandth.

13) $d = 23$ cm.

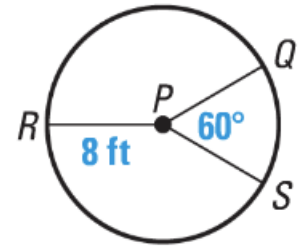
14) $r = 1.5$ in.

Directions: In circle P shown, $\angle QPR \cong \angle RPS$. Find the indicated measure.

14) $m\widehat{QRS}$

15) $m\widehat{QR}$

16) $m\widehat{RSQ}$



Directions: Find the area of the given circles.

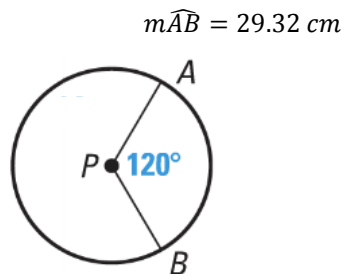
17) A circle with a radius of 4 in.

18) A circle with a diameter of 10 ft.

19) The area of a circle is 154 square meters. Find the radius.

20) The area of a circle is 676π square centimeters. Find the diameter

21) Find the circumference of Circle P, if the length of $\widehat{AB} = 29.32$ cm



22) Find the area of Circle M.

