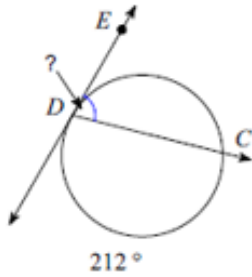


Unit 5 – Circle Properties Review

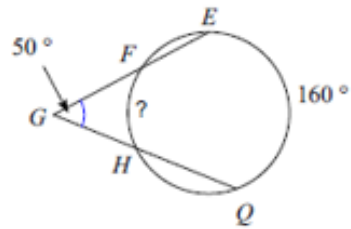
Name: _____ Block: _____

Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

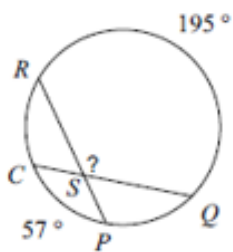
1)



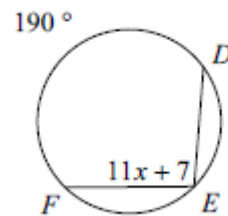
2)



3)

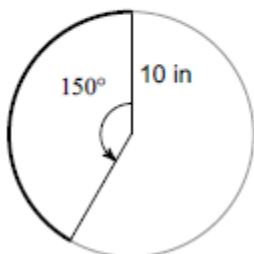


4)



Find the length of each arc.

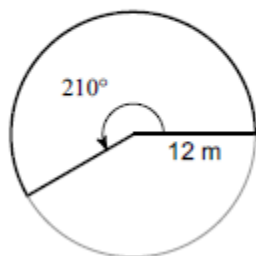
5)



6) A central angle of 270° forms an arc that is $6\pi m$ long. What is the radius of the circle?

Find the area of each sector.

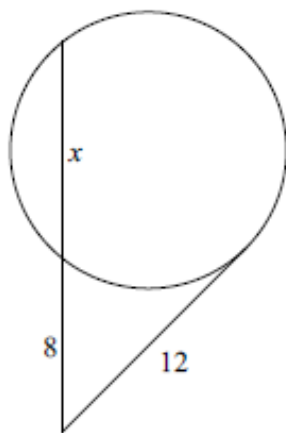
7)



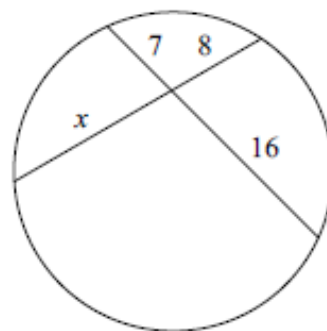
- 8) The area of a sector is $54\pi\text{ ft}^2$. The radius of the circle is 9 ft . Find the measure of the central angle that created the sector.

Solve for x . Assume that lines which appear tangent are tangent.

9)



10)



Unit 5 – Circle Properties Review Answer Key

1) 74°

2) 60°

3) 126°

4) $x = 8$

5) $\frac{25}{3}\pi \text{ in}$

6) 4 m

7) $84\pi \text{ m}^2$

8) 240°

9) $x = 10$

10) $x = 14$

