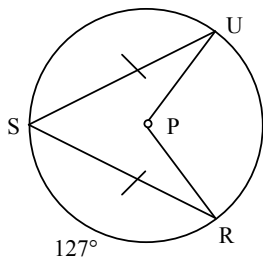
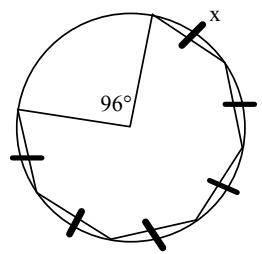




Name _____

January 7, 2011

Geometry - Chapter 7 Review

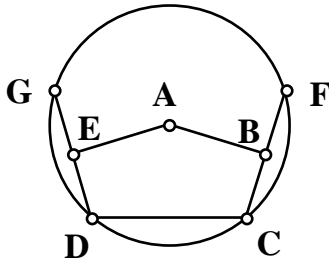
1. What is the difference between a central angle and an inscribed angle?
2. What is the degree relationship between a central angle and an inscribed angle?
3. List three things (conjectures) that you should know about chords
 - A)
 - B)
 - C)
4. What is the point of tangency?
5. State the conjecture regarding the relationship between a tangent and radius.
6. What do we know about two tangents of a circle coming from the same point?
7. What is the formula for the circumference?
8. What is the formula that will help find the arc length?
9. Draw an example of a secant.
10.  $m\angle P = \underline{\hspace{2cm}}^\circ$
11.  $x = \underline{\hspace{2cm}}^\circ$

12. A is the center of the circle.

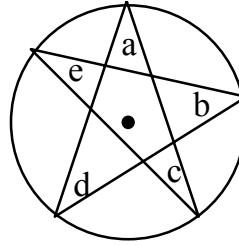
$GD = 10$ $FC = 10$

$AB = 7$ $CD = 12$

perimeter of ABCDE = _____

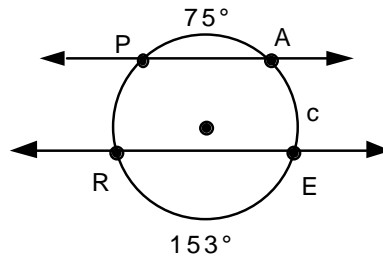


16. $(a + b + c + d + e) \cdot 2 =$



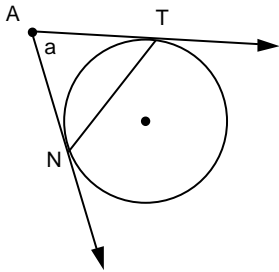
17. $\overleftrightarrow{PA} \parallel \overleftrightarrow{RE}$

$c =$ _____

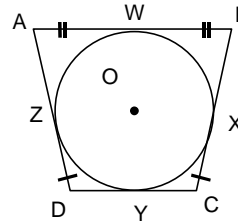


13. \overleftrightarrow{AT} and \overleftrightarrow{AN} are tangents.

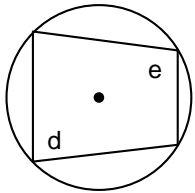
$m\angle ATN = 62^\circ$ $a =$ _____



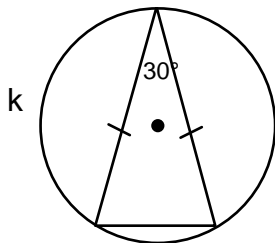
18. Quadrilateral ABCD is circumscribed about circle O. If $BX = 7$ and $CD = 12$, what is the perimeter of ABCD?



14. $(d + e)/3 =$ _____ $^\circ$



15. $k =$ _____ $^\circ$



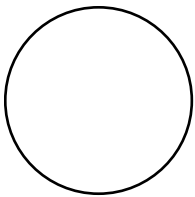
19. Find the circumference.
 $r = 6.1$ cm. Use 3.14 for π .

20. The circumference is 150π cm. Find the diameter

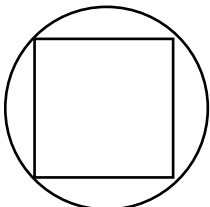
21. The circumference of a circle is 60π cm. What is the length of the diameter?

22. What is the radius of a circle that has arc length with a degree measure of 40° and an arc length of 44π cm?

23. If a circle is inscribed in a square with a perimeter of 32 inches, what is the circumference of the circle ?

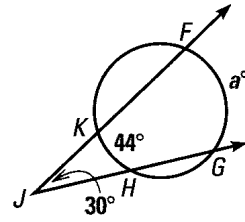


24. If a circle with a circumference of 12π is circumscribed about a square, what is the length of a diagonal of the square?

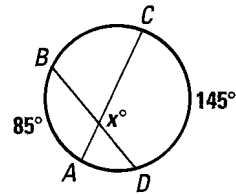


Find the missing degree measure.

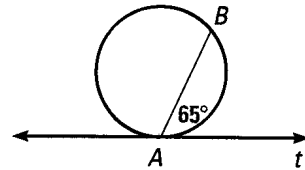
25.



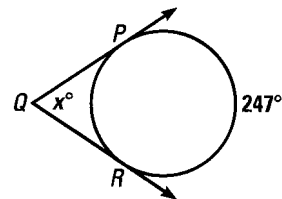
26.



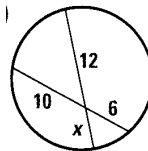
27. $m\widehat{AB}$



28.



29.



30.

