



## EXAMPLE 3: Name each of the following.

a) Center:	S
b) All Radii:	Q N
c) All Chords:	
d) All Secants:	0 R
e) Diameter:	
f) Tangent:	M
g) Point of Tangency:	
EXAMPLE 4: Name the following.	
<ul> <li>a) Tangent:</li> <li>b) Point of tangency:</li> <li>c) Point in the interior:</li> </ul>	P I
d) Point in the exterior:	

## Notes 10.1 – Circle Basics (Continued)

**THEOREM**: If a line is tangent to a circle, then it is PERPENDICULAR to the radius drawn to the point of tangency.



**THEOREM**: If two segments from the same EXTERIOR point are tangent to a circle, then they are congruent.



When circles are inscribed in polygons, the polygons are said to be CIRCUMSCRIBED polygons.

In such polygons, each side is TANGENT to the circle.





