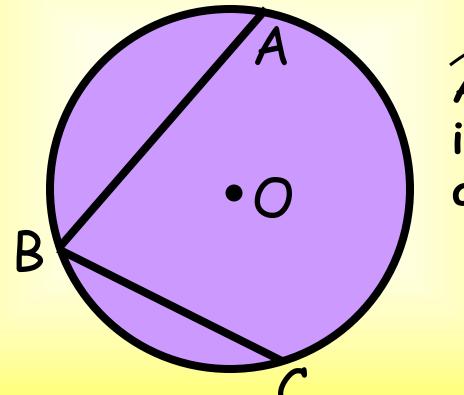


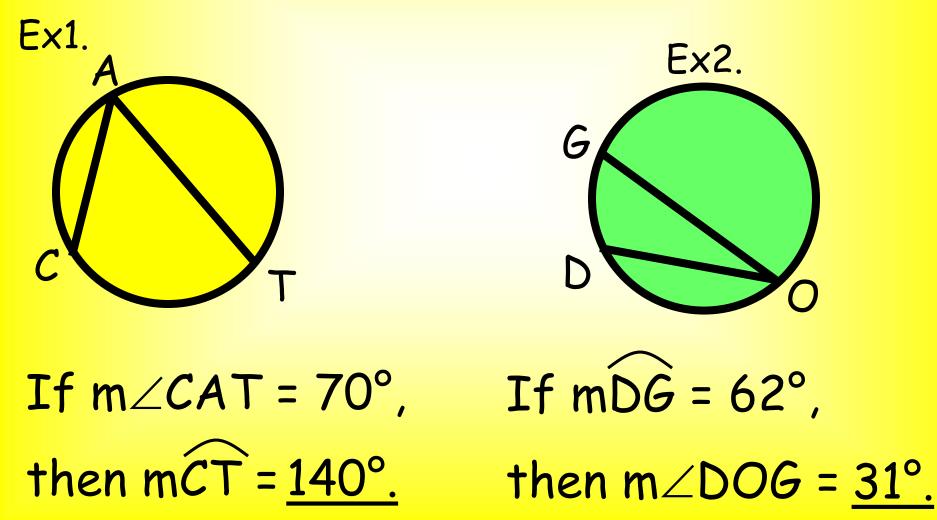
# **Inscribed Angle:** <u>an angle whose</u> <u>vertex is on a circle and whose sides</u> <u>contain chords of the circle.</u>

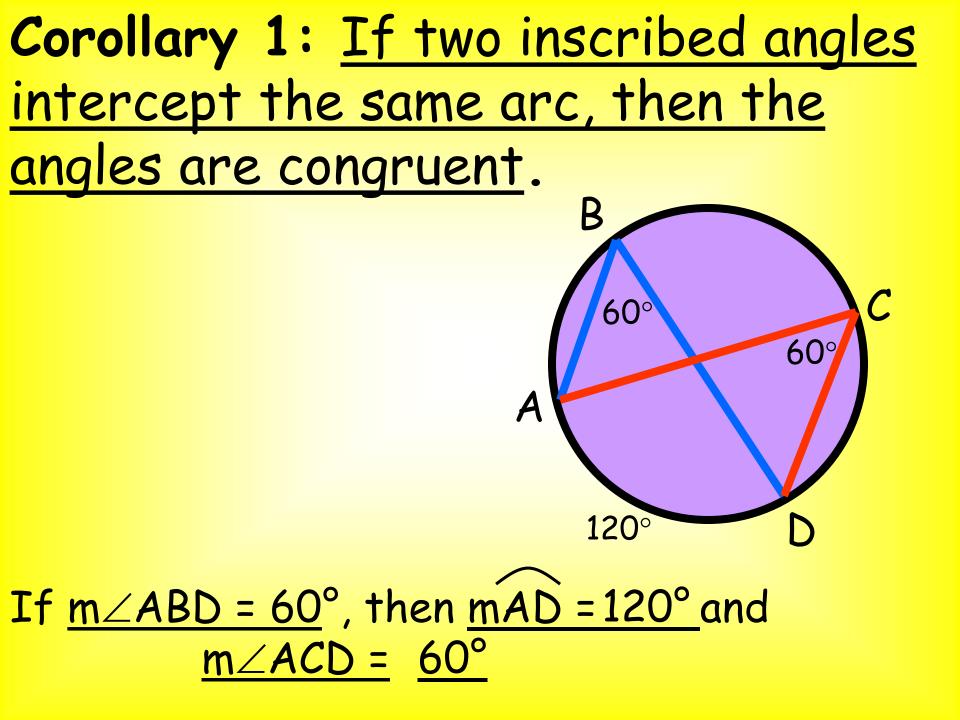


AC is the intercepted arc

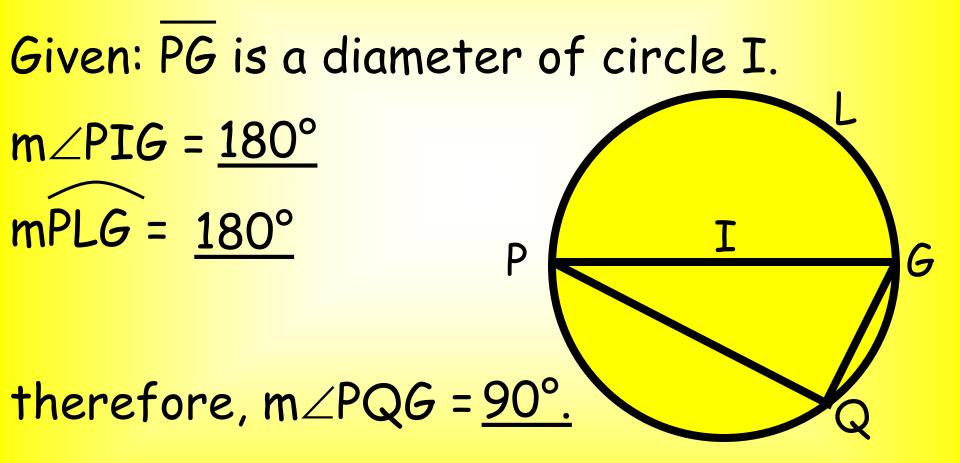
### ∠ABC is an inscribed angle of circle O.

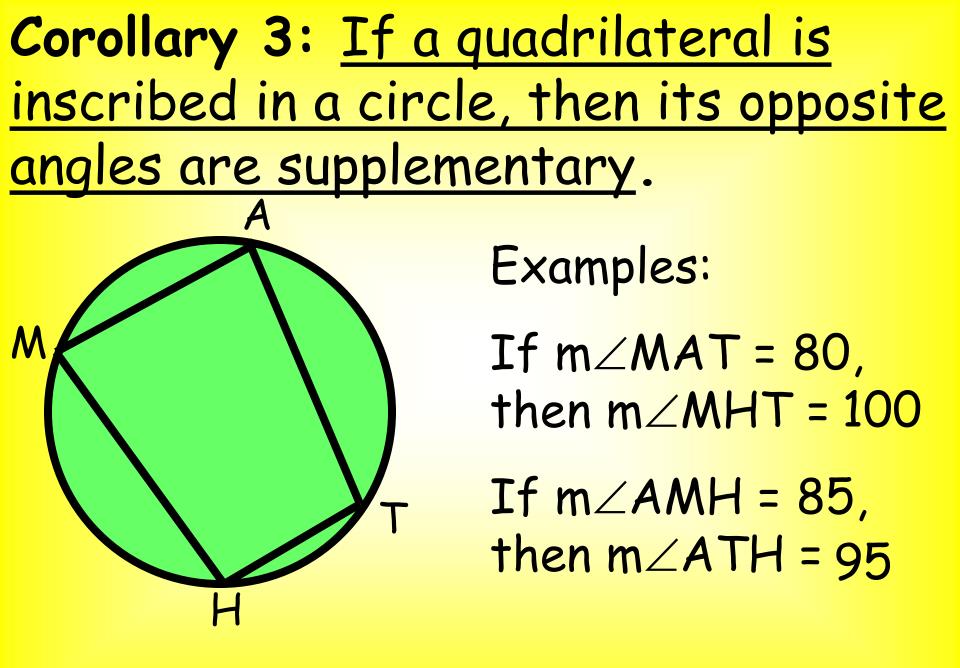
# Theorem 9-7: <u>The measure of an</u> inscribed angle is equal to half the measure of its intercepted arc.



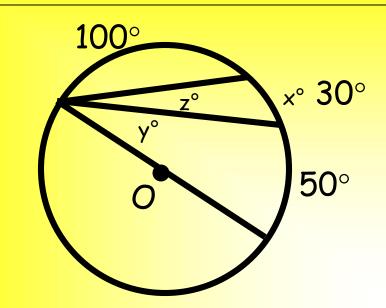


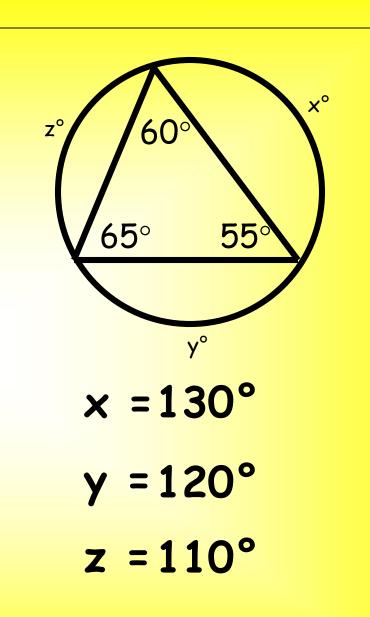
# Corollary 2: <u>An angle inscribed in a</u> <u>semicircle is a right angle.</u>





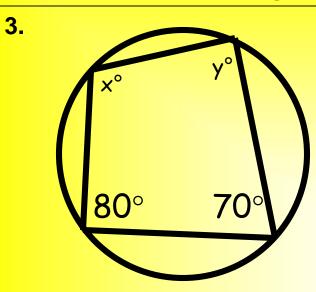
1.

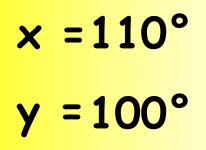


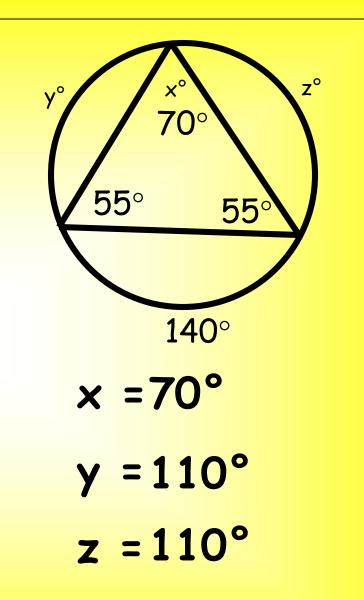


O is the center of the circle. Find the values for x, y, and z.

2.

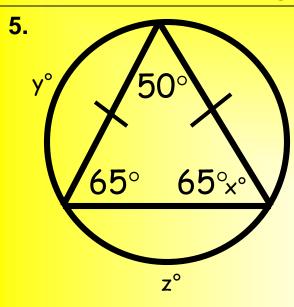




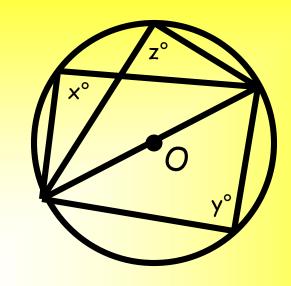


O is the center of the circle. Find the values for x, y, and z.

4.



6.



x =90° y =90° z =90°

O is the center of the circle. Find the values for x, y, and z.

