**Circle Geometry (textbook Chpt. 8)**

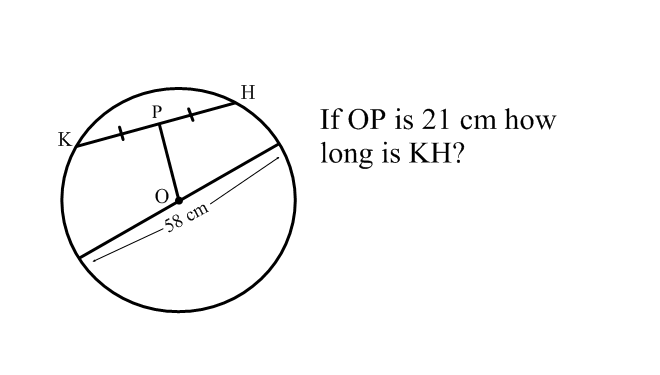
**Utilize geometric relations to calculate angle sizes and side lengths.**

**- 180º rule - pythagoras’ theorem - straight angle**

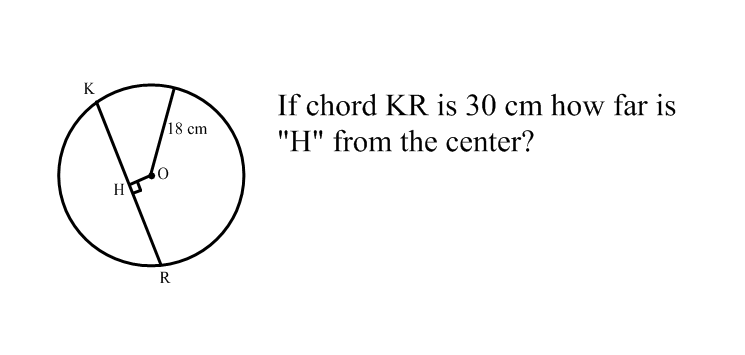
**- complementary angles - supplementary angles**

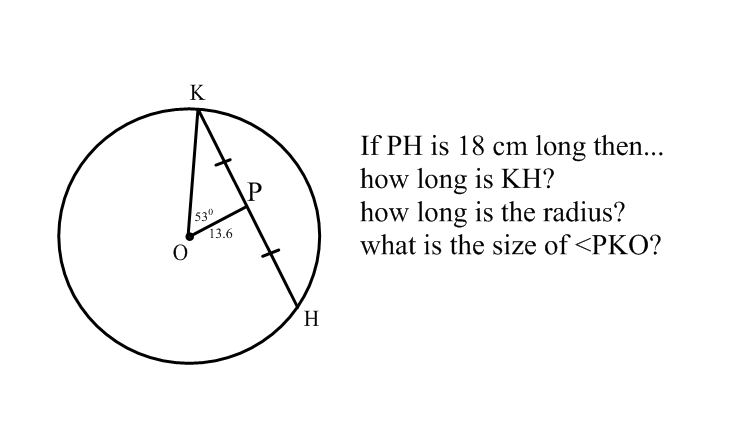
**Sketch/Explain OR diagrams that …**

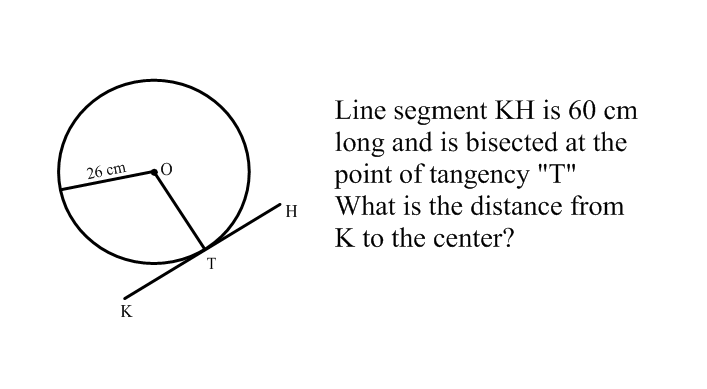
**Determine angle sizes or lengths in**

** Have a chord that is bisected by a segment that passes through**

**the center of a circle.**

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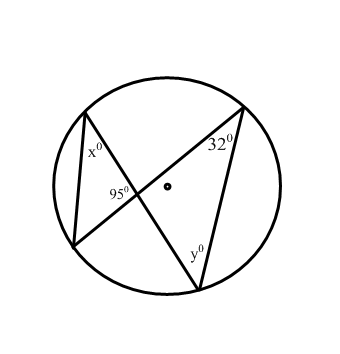
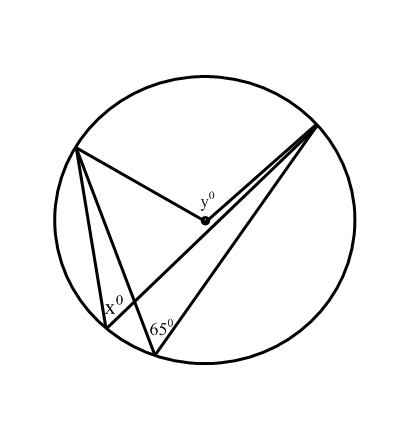
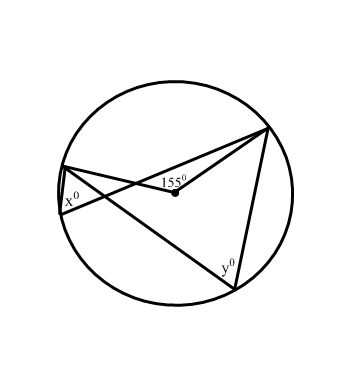
** Have a tangent line that perpendicularly intersects the point of**

**tangency with a segment that passes through the center.**

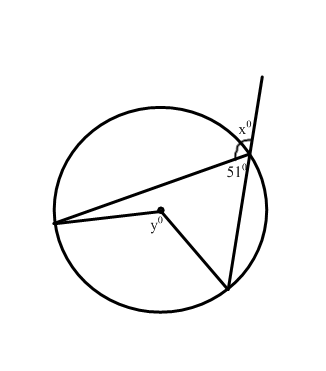
**Have two or more inscribed angles that are subtended by the**

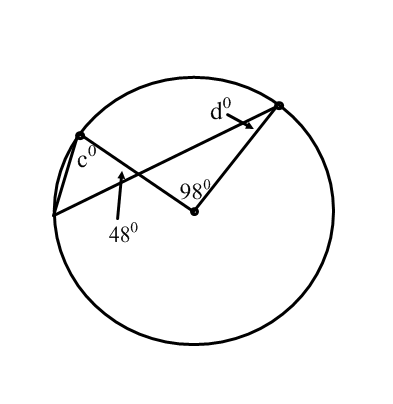
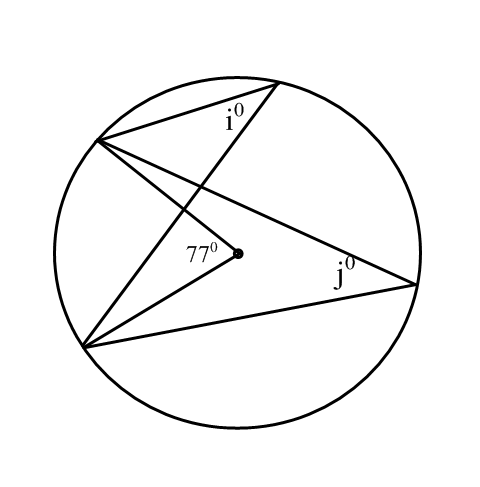
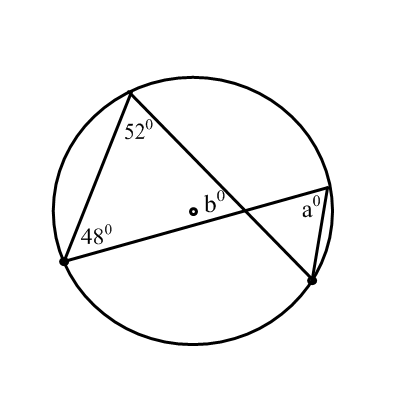
**same arc**

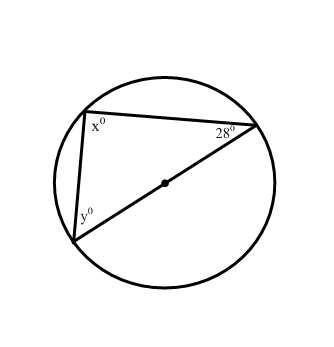
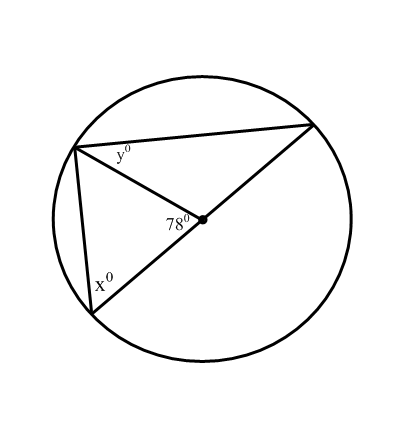
**OR**

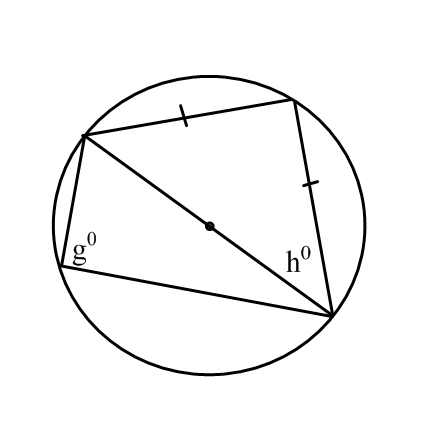
** Have an inscribed angle and central angle that are subtended by**

**the same arc.**

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** Have an inscribed angle that is subtended by a semi-circle.**

**Additional Review/Practice can be found in the textbook on the following pages…**

**Study Guide – pg. 307**

**Extra Practice - pg. 417; pg. 418-419**