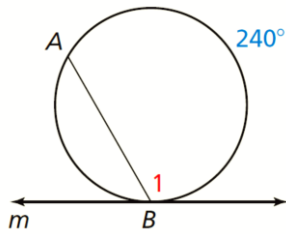


# Geometry

## 10.5 Apply Other Angle Relationships in Circles

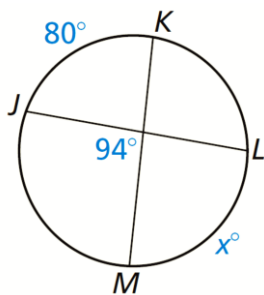
If a \_\_\_\_\_ and a \_\_\_\_\_ intersect at the point of \_\_\_\_\_, then the measure of each angle formed is \_\_\_\_\_ the measure of its \_\_\_\_\_.

Find  $m\angle 1$ .



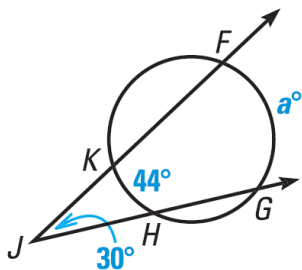
**Angles Inside the Circle Theorem**  
 If two \_\_\_\_\_ intersect in the \_\_\_\_\_ of a circle, then the measure of an \_\_\_\_\_ formed is \_\_\_\_\_ the \_\_\_\_\_ of the measures of the \_\_\_\_\_ by the \_\_\_\_\_ and its \_\_\_\_\_.

Find the value of  $x$ .



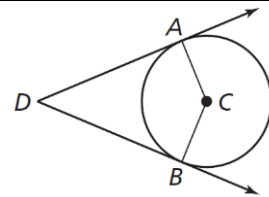
**Angles Outside the Circle Theorem**  
 If two \_\_\_\_\_, \_\_\_\_\_, or \_\_\_\_\_ intersect in the \_\_\_\_\_ of a circle, then the measure of the \_\_\_\_\_ formed is \_\_\_\_\_ the \_\_\_\_\_ of the measures of the \_\_\_\_\_.

What is the value of  $a$ ?

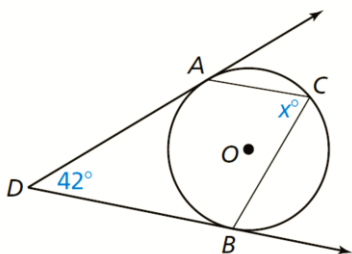


**Circumscribed Angles Theorem**

The measure of a \_\_\_\_\_ angle is equal to \_\_\_\_\_ minus the measure of the \_\_\_\_\_ angle that intercepts the same \_\_\_\_\_.



What is the value of  $x$ ?



Assignment: 546 #2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 16, 18, 29, 32, 35, 36, 37, 39 = 20 total