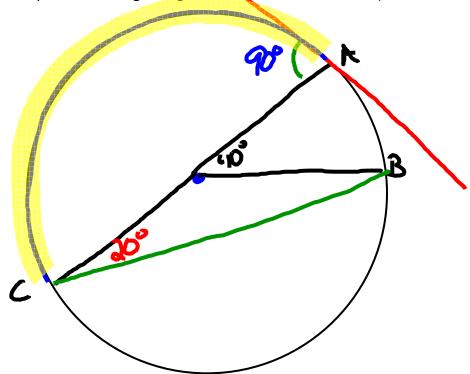
Lesson 9-5: Inscribed Angles

Follow the steps below using the given circle to answer the questions.



Step 1: Find the center of the circle and label it O

<u>Step 2:</u> Create a central angle that measures 40° and label the points on the circle A and B

Step 3: Draw a chord from A to the other side of the circle and label that point ${\it C}$

Step 4: Draw a chord from B to C

<u>Step 5:</u> Measure angle ACB

The angle you made at C is called an inscribed angle. What can you deduce about the measure of an inscribed angle compared to its intercepted arc measure?

MEASURE OF ASC.

Step 6: Draw a tangent to point A

Step 7: Measure the angle you just made

What can you deduce about the measure of an angle made by a chord and a tangent when compared to its intercepted arc?

& measure of aru

