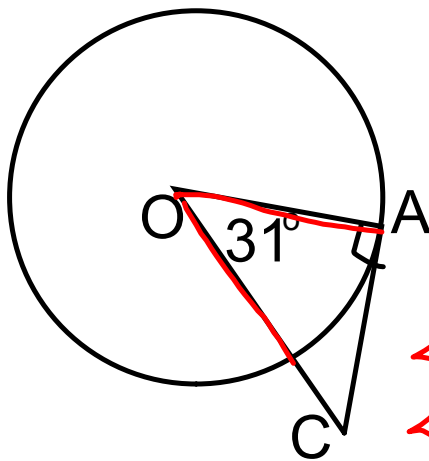


Warm-Up

May 13, 2016



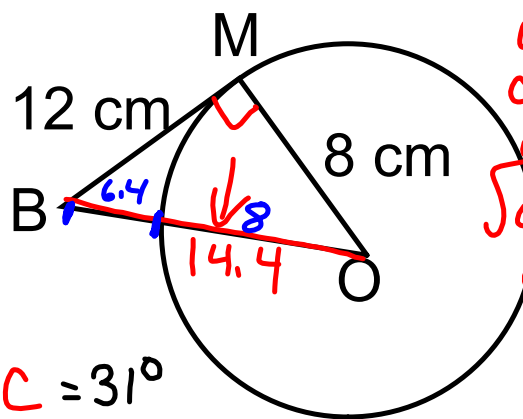
$\angle AOC = 31^\circ$
 $\angle CAO = 90^\circ$
 $\angle ACO = 59^\circ$

 180°

A. Name and give the value for each angle.

B. Name the radius OA, AO

C. Name the Tangent AC, CA



$c^2 = a^2 + b^2$
 $c^2 = 12^2 + 8^2$
 $c^2 = 144 + 64$
 $\sqrt{c^2} = \sqrt{208}$
 $c = 14.4$

A. Find the value of BO

B. What is the value of the radius? 8cm

C. What is the distance from the outside of the circle to B? 6.4cm

Summary of Radius-Tangent Properties

One of the two will be used to solve questions involving a tangent and radius

1. Finding an unknown angle:

The sum of the angles in a triangle is 180°

$$\text{Given angle} + 90^\circ + \underline{\quad} = 180^\circ$$

2. Finding an unknown side of a Right Triangle

Pythagorean Theorem

$$c^2 = a^2 + b^2$$

Homework/Classwork



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3, 4, 5, 6 ← a, b, c

**7, 8, 12, 13, 14,
17**

*****NAME ALL ANGLES**

USING THREE

LETTERS!!!!!!!!!!!!!!!

SKETCH CIRCLES!!!