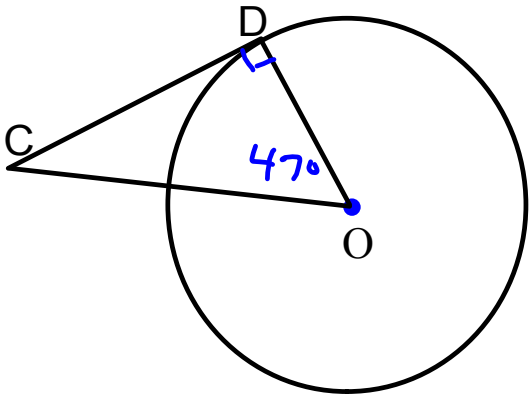
Section 8.7 Warm Up

April 24, 2015

1) Point O is the centre of a circle and CD is a Tangent to the circle. In ΔOCD, <COD = 47°. Determine the measure of <OCD.

SHOW ALL WORK AND COPY THIS DOWN

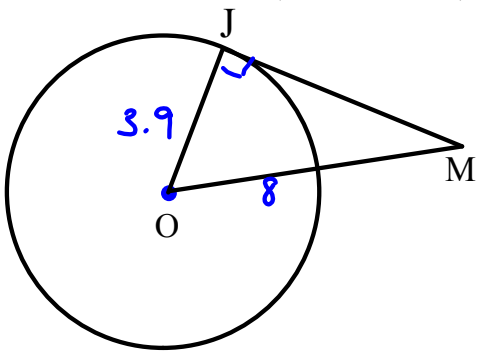


∠OCD = 180 - 47 - 90
= 43°

DAY 2

Using the Pythagorean Theorem in a Circle

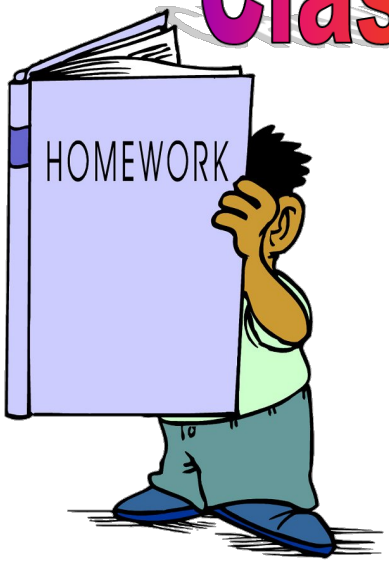
2) Point O is the center of a circle and JM is a tangent to the circle. The radius 3.9 cm and OM = 8 cm. Determine the length of the tangent line. Give the answer to the nearest tenth.
(Show all Work)



Remember:
$a^2 + b^2 = c^2$
$c = \sqrt{a^2 + b^2}$
or
$a = \sqrt{c^2 - b^2}$

$b^2 = c^2 - a^2$
$JM^2 = 8^2 - 3.9^2$
$= 64 - 15.21$
$= 48.79$
$JM = \sqrt{48.79}$
$= 7.0$ cm 6.98 up one to 7.0

Class/Homework



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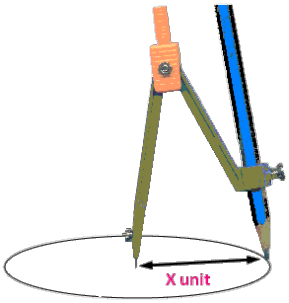
Day 1

3 ab
4a
5abc
6abc
7ab
8

Day 2

9
10
12
13
14
16c
17
18



Attachments

Section 8.1 Sticky Note Activity.docx