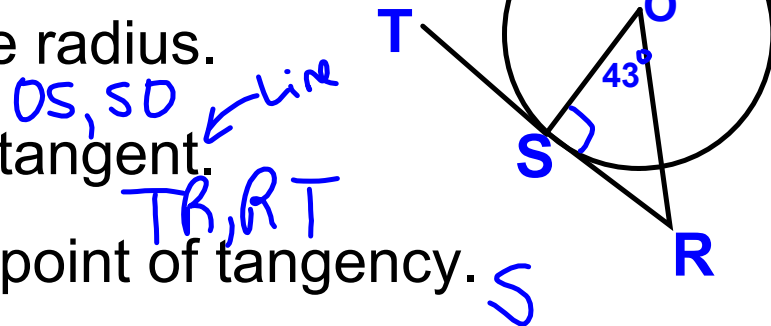


Review

May 14, 2018

To name a line...use 2 letters.
To name an angle...use 3 letters.

1. Identify the radius.
2. Identify the tangent.
3. Identify the point of tangency.
4. List the three angles found in Triangle SOR.
5. Find the value of each angle in #4.



#4 List	#5 Value
$\angle SOR$	43°
$\angle SRO$	90°
$\angle OSR$	90°
	180°

$\triangle SOR$

Sum of angles
 $\triangle = 180^\circ$

In triangle OAB, $\angle AOB = 63^\circ$

1) Find the measure of $\angle OBA = 27^\circ$

Remember:

sum angles
of triangle
is 180° !!!

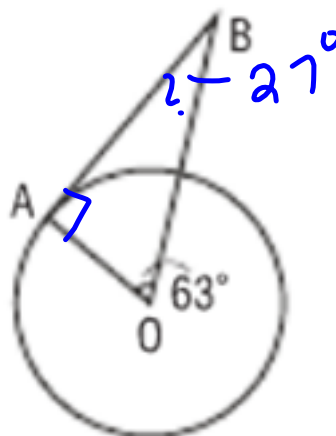
2) Tangent: AB

3) List the three angles:
[NAME]

$\angle OBA$

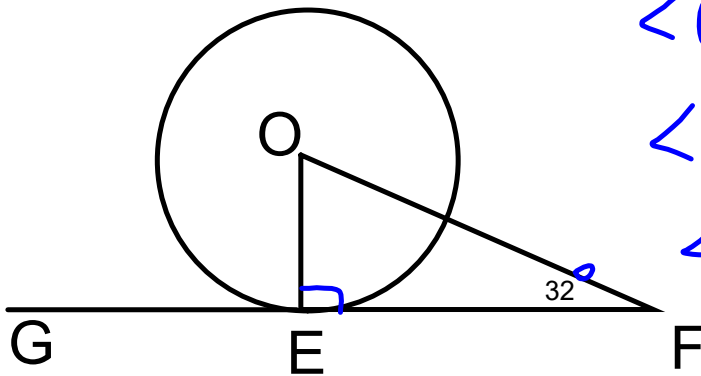
$\angle AOB$

$\angle BAO$



Name the radius:

Name and identify all angles in Triangle EOF



List the angles: measurement

$\angle EOF$

58°

$\angle FEO$

90°

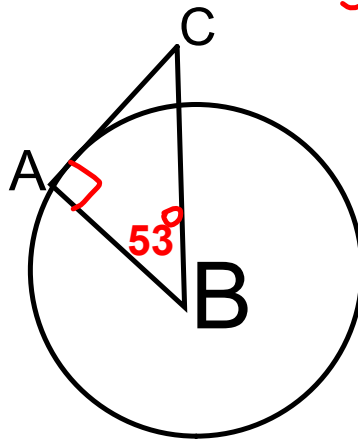
$\angle OFE$

32°

180°

a) Find the value of $\angle ABC = 53^\circ$

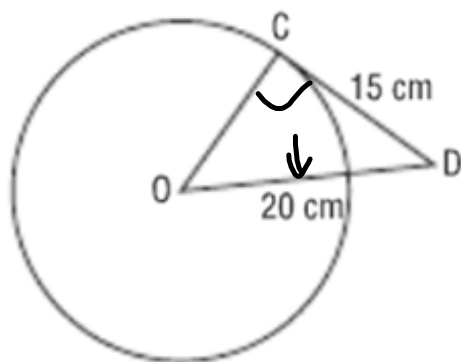
b) Find the value of $\angle ACB = 37^\circ$



$$90 + 53 + \underline{\quad} = 180^\circ$$

c. Identify the tangent CA, AC

Determine the length of OC to the nearest tenth.



$$\begin{aligned}a^2 &= c^2 - b^2 \\a^2 &= 20^2 - 15^2 \\a^2 &= 400 - 225 \\ \sqrt{a^2} &= \sqrt{175} \\ a &= 13.2\end{aligned}$$