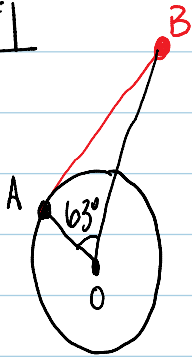tangent : - a line that touches a circle at exactly 1 point
- the point where the line touches the circle is called the point of tangency.

chord
diameter
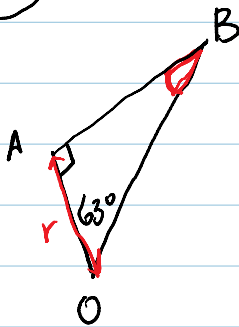radius
A   B
tangent
point
of
tangency
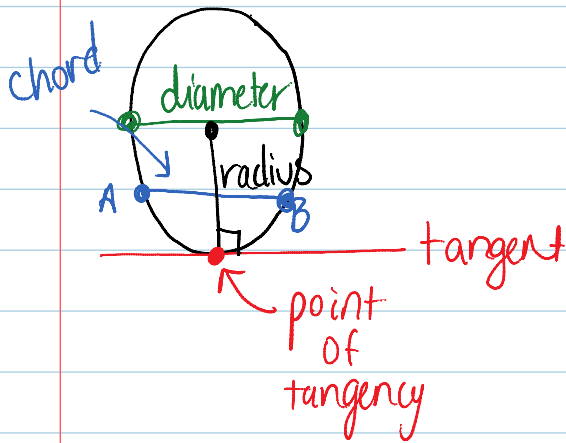
(90°)
- the tangent (line) is perpendicular to the radius

Ex.#1
B
A   63°
O

Point 'O' is the centre of the circle
AB is a tangent to the circle
In △OAB, ∠AOB = 63°
What is ∠OBA?
RECALL: the middle letter is the angle

B
A
r   63°
O

$$63° + 90° + \underline{27°} = 180°$$

$$\boxed{\angle OBA = 27°}$$

pg. 399 #3-6, 8-13

Review pg. 404 #5,6, 9-11, 13, 15-17, 19, 20