Circle Properties

A line that intersects a circle at only ONE POINT is a tangent to the circle

The point where the tangent intersects the circle is the

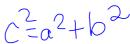
point of tangency.

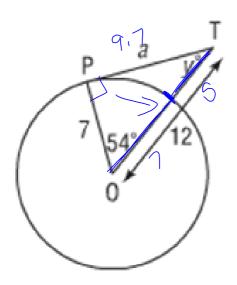
Point V - point a tangency

SW -> chord
PQ -> tangent

[outside circle]

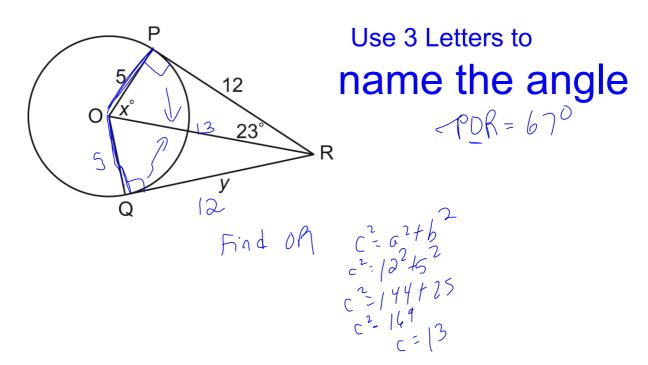
Circle Properties 22+62





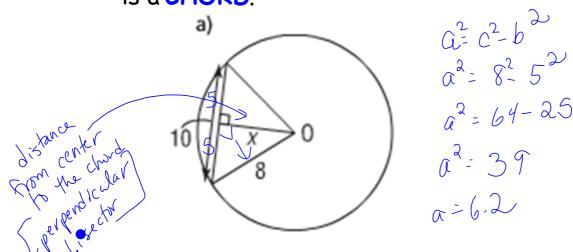
Solve for <PTO = 36°

Solve for x° and y

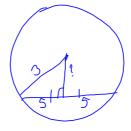


Solve for x:

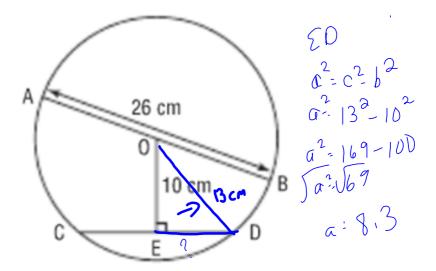
A line segment that joins two points on a circle is a CHORD.



Draw a dragram with a chord of 10 cm a diapheter of 16 cm and find the distance from the center to chord.

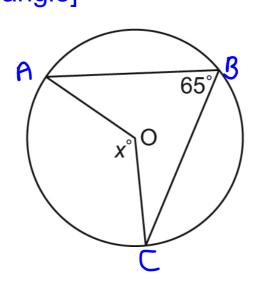


Solve for ED



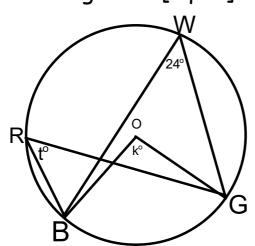
Inscribed Angles

[The inscribed angle is half the size of the central angle]



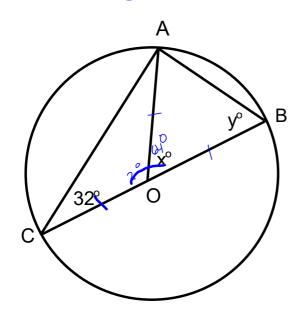
Inscribed Angles Property

In a circle, all of the inscribed angles subtended by the same arc are congruent [equal]



KNUW Need (BWG: 24° (BRG: 24° (BOG: 48°

Angles in a Semicircle Property



*Finish Chapter 7 Review...23-31

- * Finish Chapter 8 Review.
- * Extra Review...Chapter 4, 6, 7, 8 End O Chapter Review.