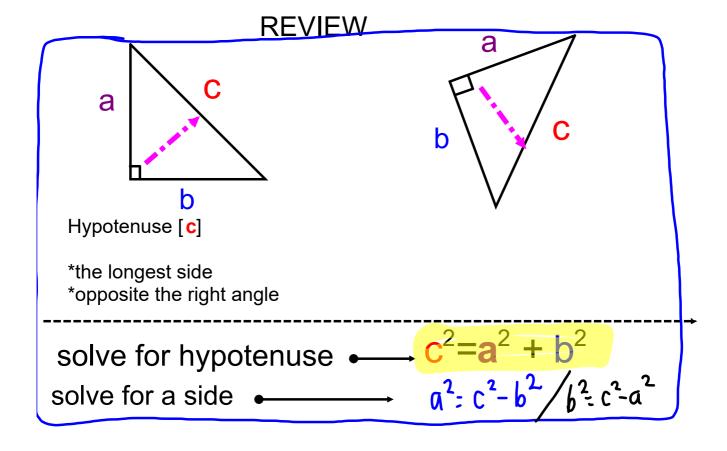
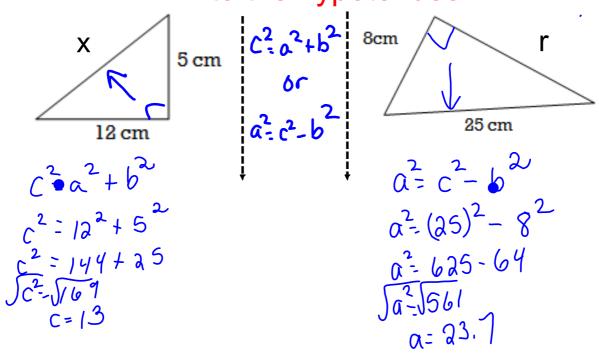
Unit 8 Circle Geometry





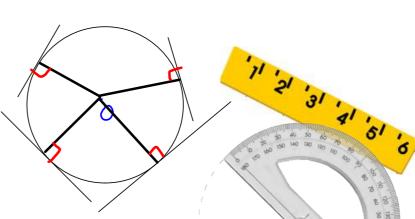
Find the measurement of the unknown side.

Draw an arrow to the hypotenuse.



A rectangle has base 6 and height 10. What is the length of the diagonal? [hypotenuse]

Diameter = 8,8cm Radius = 4,4cm



- 1. Label the center "O"
- 2. Draw a radius that touches the circle only at the endpoint of the redus.
- 3. Draw a line to touch the radius and passes on the outside of the circle
- 4. Repeat steps 2-3 THREE times
- 5. Measure the angle between the radius and the line.

Tangent To A Circle

* 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.

*Line AB is a TANGENT to the circle with center O

Point P is the point of tangency

Point of tangency
Tangent

A

O

line using

Name a

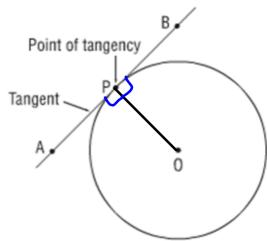
Two letters!!

Name the radius:

Tangent-Radius Property

*A tangent to a circle is perpendicular to the radius at the point of tangency.

use three letters when naming an angle!



Name a line with two letters!

Name an angle with three letters!









