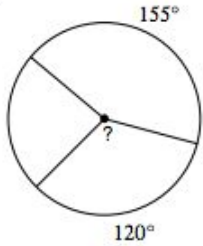
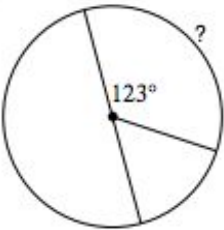
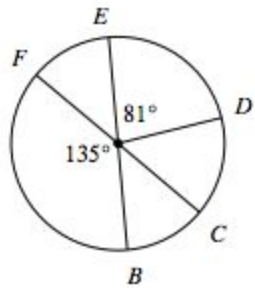


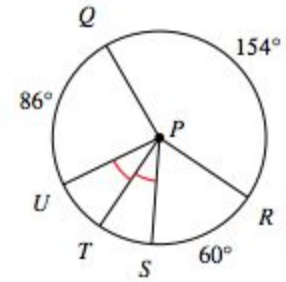
Name:

Date:

Is skilled at describing relationships among inscribed angles, tangent segments, radii, chords, arc lengths, and areas of sectors of circles.

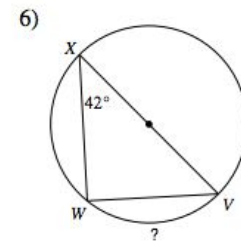
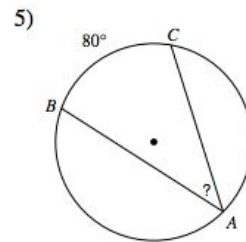
| Property | Diagram |
|---|--|
| <p>The measure of the intercepted arc formed by a central angle is _____ to the measure of the central angle. (Nate)</p> | <p>9) </p> <p>10) </p> |
| <p>There are _____ degrees in a semi-circle. (Olivia)</p> | <p></p> <p>Find measure $\angle CAB$</p> |

There are _____ degrees in a circle. (Bradley)

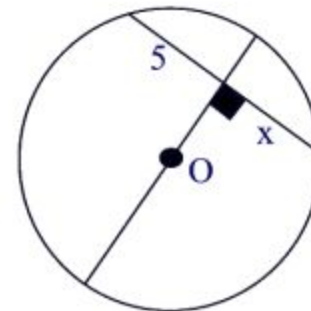


Find measure $\angle SPT$

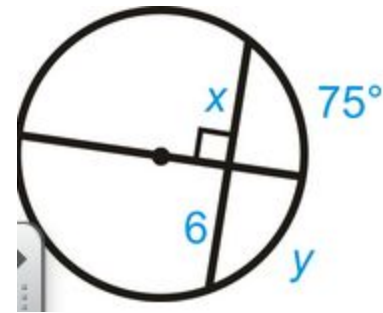
The measure of the intercepted arc formed by an _____
 _____ is _____ the measure of the inscribed angle. (Drew)



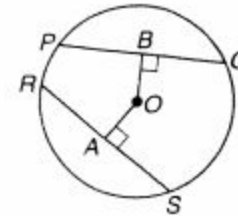
If a radius is _____ to a chord then the radius
 _____ the chord. (Heather)



If a radius _____ a chord then the radius _____ the corresponding arc too. **(Seth)**

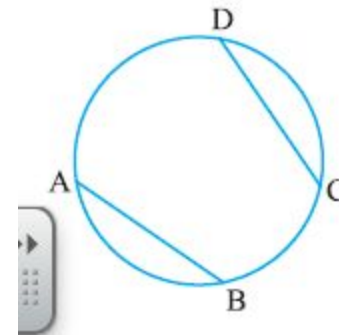


Chords _____ from the center of a circle are congruent. **(Bella)**



AO is congruent to OB. If $RS = 10$ and $PQ = 2x$, find x .

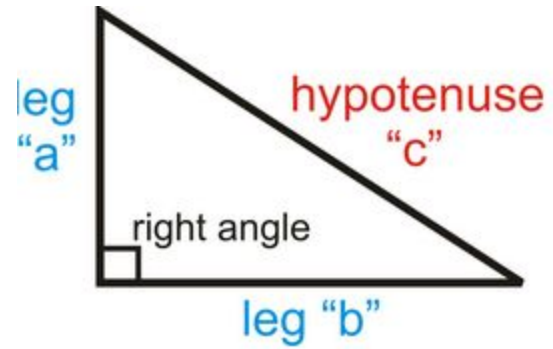
If two chords in a circle are _____ then their _____ are congruent. **(Nate)**



AB is congruent to DC. If $DC = 75$ and $AB = 15 + 5x$, find x .

And don't forget about Pythagorean Theorem! It says:

(You may need this later on!) (Olivia)

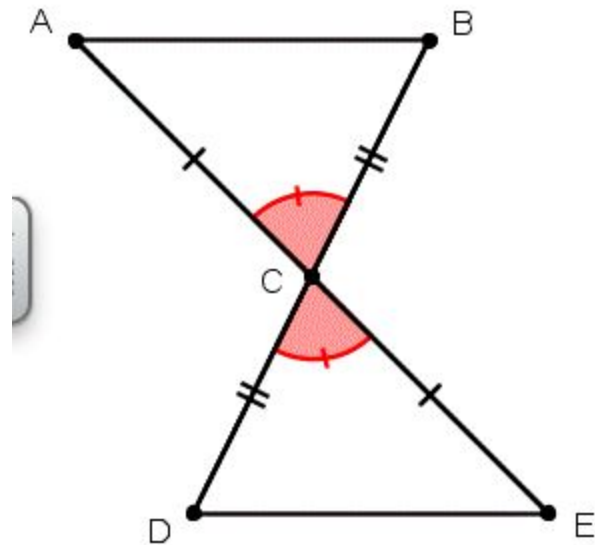


If $C = 13$ and $a = 5$, find b .

Also, remember when you learned about triangle? Those

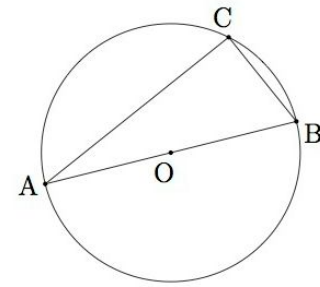
_____ ?

They are _____ too! (Bradley)



If $m\angle ACB = 3x + 10$ and $m\angle DCE = 2x - 8$, find x .

If one side of a triangle inscribed in a circle is the _____
of a circle, then the triangle is a _____
_____ and the angle opposite the diameter is the right
angle. **(Draw)**



What is the $m\angle ACB$?