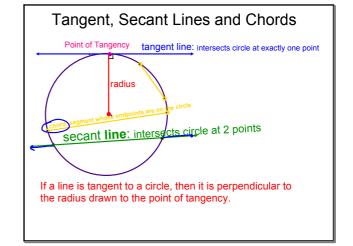
Internal common tangent

10-4 Chords, Secants, and Tangents

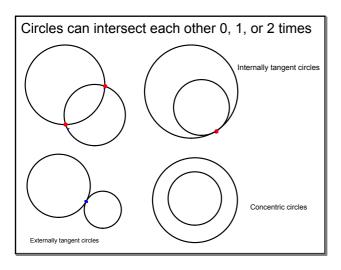
- I can name a chord, secant, and tangent line and their relationship with circles.
 I can describe the relationship between angles and chords when the angles are created inside, outside and on the circle. I can describe the relationship between opposite angles of inscribed quadrilaterals.



Mar 26-10:10 AM Feb 28-7:20 AM

A line or segment that is tangent to two circles is called a common tangent There are two types:

internal and external.

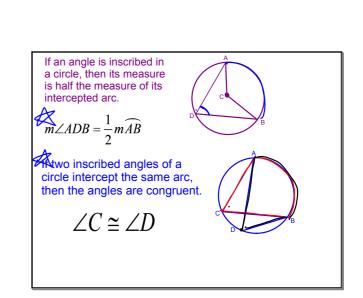


An **inscribed angle** is: an angle whose vertex is on a circle and whose sides contain chords of the circle. The arc that

lies in the interior of an inscribed angle and has endpoints

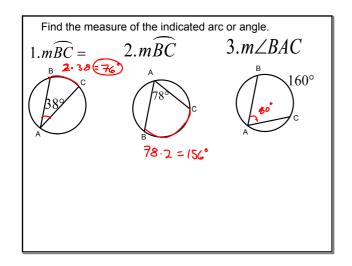
on the angle is called the intercepted arc of the angle

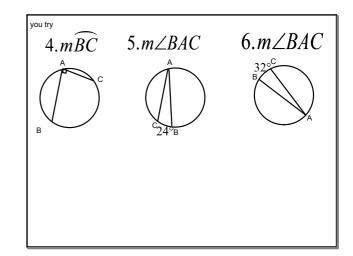
Feb 28-7:37 AM Feb 28-7:42 AM



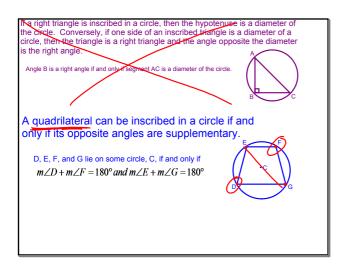
External common tangent

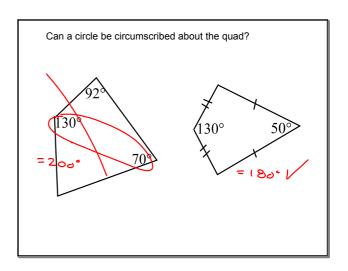
Mar 28-3:25 PM Mar 28-3:28 PM



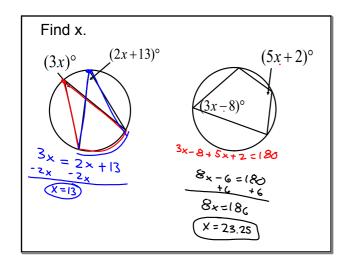


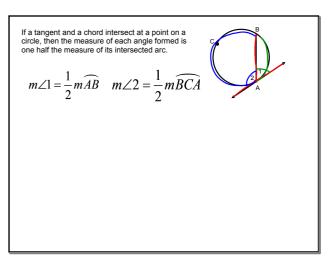
Mar 28-3:32 PM Apr 14-4:59 PM



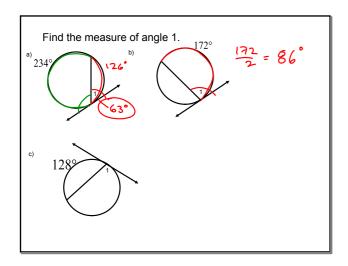


Mar 28-3:42 PM Mar 28-3:48 PM





Mar 31-9:00 AM Mar 28-3:48 PM



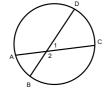
If two lines intersect a circle, there are three places where the lines can intersect.

Mar 28-3:52 PM

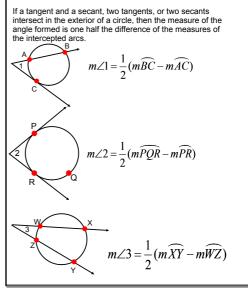
Mar 28-3:55 PM

If two chords intersect in the interior of a circle, then the measure of each angle is one half the sum of the measures of the arcs intercepted by the angle and its vertical angle.

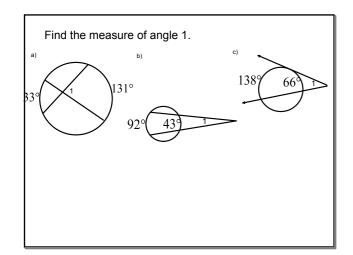
$$m\angle 1 = \frac{1}{2}(\widehat{mCD} + \widehat{mAB}), m\angle 2 = \frac{1}{2}(\widehat{mBC} + \widehat{mAD})$$

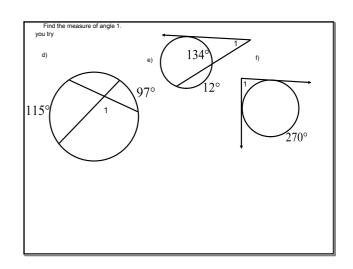


Mar 28-3:56 PM

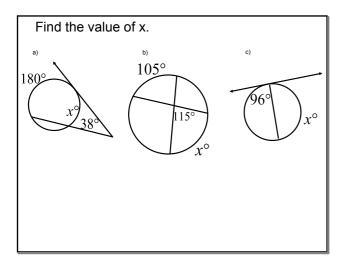


Mar 28-3:59 PM





Mar 28-4:00 PM Apr 14-6:21 PM



Mar 31-11:04 AM