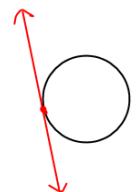
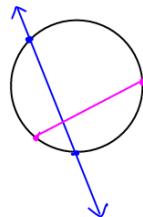


Tangent -

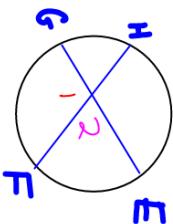


Secant -



Chord -

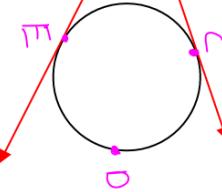
When two chords intersect inside a circle, the measure of an angle created is half the sum of the intercepted arcs of itself and its vertical angle.



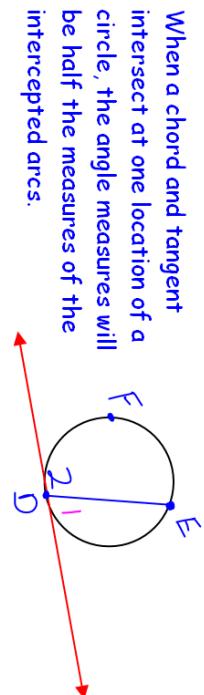
$$m\angle 1 =$$

$$m\angle 2 =$$

When two tangents intersect outside a circle, the measure of the angle formed is half of the difference of the intercepted arcs.



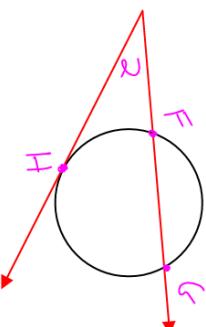
$$m\angle 1 =$$



When a chord and tangent intersect at one location of a circle, the angle measures will be half the measures of the intercepted arcs.

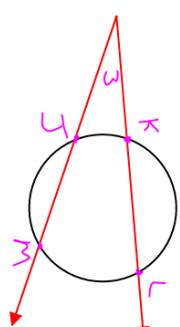
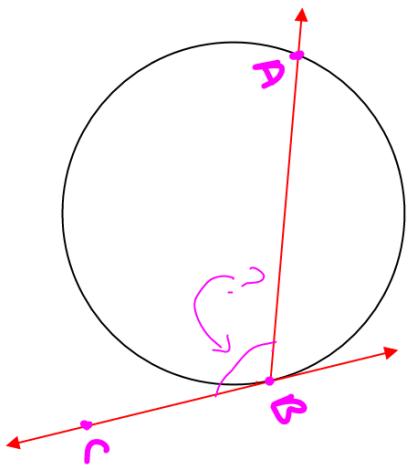
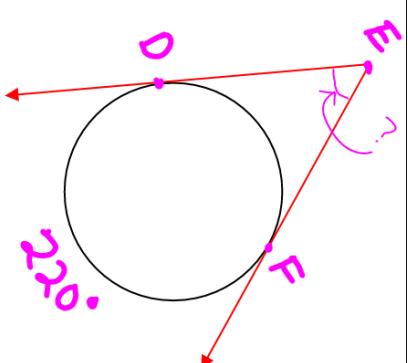
When a tangent and a secant intersect outside a circle, the measure of the angle formed is half of the difference of the intercepted arcs.

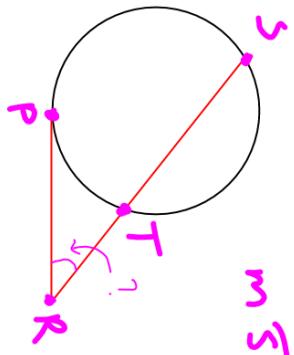
$$m\angle 2 =$$


ang_ext_circles_notes.ggb - 5/12 - Tue Jun 02 2015 09:26:09

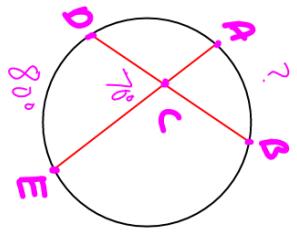
When two secants intersect outside a circle, the measure of the angle formed is half of the difference of the intercepted arcs.

$$m\angle 3 =$$

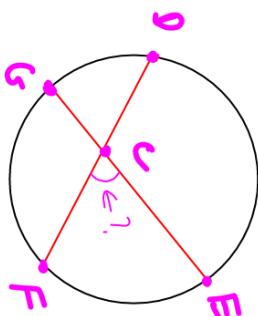

ang_ext_circles_notes.ggb - 8/12 - Sun Feb 01 2015 13:21:58

ang_ext_circles_notes.ggb - 7/12 - Sun Feb 01 2015 13:19:14

ang_ext_circles_notes.ggb - 8/12 - Sun Feb 01 2015 13:21:58



$$m\widehat{SP} = 170^\circ, m\widehat{PT} = 60^\circ$$



find $m\widehat{BD}$



$$m\widehat{EF} = 110^\circ, m\widehat{DG} = 50^\circ$$