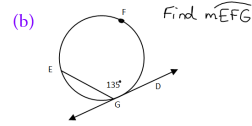
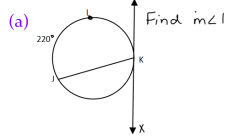


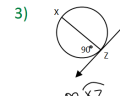
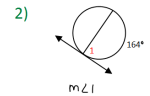
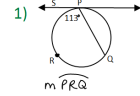
Lesson 30.5: Applying Other Angle Relationships in Circles

***If a tangent and a chord intersect at a point ON the circle, then the measure of each angle formed is one half the measure of its intercepted arc.**

[Ex 1]

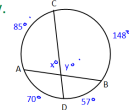


YOUR TURN

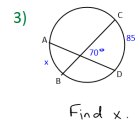
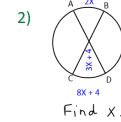
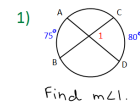


***If two chords intersect INSIDE a circle, then the measure of each angle is one half the sum of the measures of the arcs intercepted by the angle and its vertical angle.**

[Ex 2] Find the value of x and y.

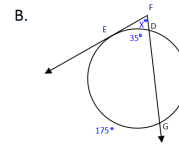
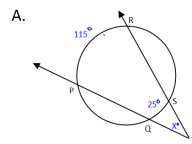


YOUR TURN



*** If a tangent and a secant, two tangents, or two secants intersect OUTSIDE a circle, then the measure of the angle formed is 1/2 the difference of the measures of the intercepted arcs.**

[Ex. 3] Find the value of x



YOUR TURN

