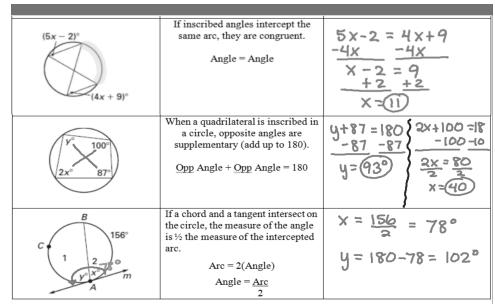
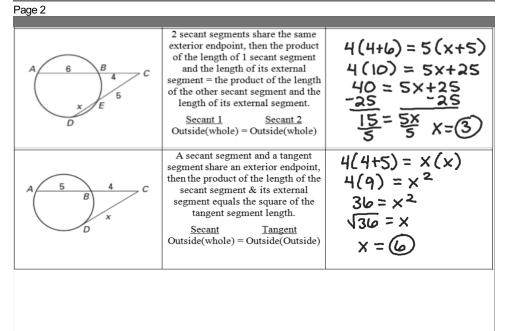
EXAMPLE	RULE	WORKED OUT
$ \begin{array}{c}                                     $	2 tangent segments are congruent when they are joined at a common exterior point.  Tangent = Tangent	$6 \times -3 = 5 \times +7$ $-5 \times                                   $
123°	A central angle is equal to the intercepted arc.  Central Angle = Arc	X=123°
32° X°	An inscribed angle is ½ the intercepted arc.  Arc = 2(Angle)  Angle = Arc 2	x = 32(2) = 640

Page 1			
M 30°	If 2 chords intersect inside a circle, then the measure of each angle is ½ the sum of the measures of the arcs intercepted by the angle and its vertical angle.  Arc + Arc = Inside Angle 2	110+30 = X 140 = X 70°= X	
A x° B5° E 171°	If a tangent and a secant, 2 tangents, or 2 secants intersect in the exterior of a circle, the measure of the angle formed is ½ the difference of the measures of the intercepted arcs.  Big Arc – Little Arc = Ext Angle 2	$\frac{171-85}{2} = \times$ $\frac{86}{2} = \times$ $\frac{43}{3} = \times$	
A E 8	If 2 chords intersect in the interior of a circle then the product of each chord is congruent to the other.    Chord 1   Chord 2   Part · Part   Part	$3 \cdot 8 = 4 \cdot \times$ $\frac{24}{4} = \frac{4 \times}{4}$ $\times = 6$	





Page 3