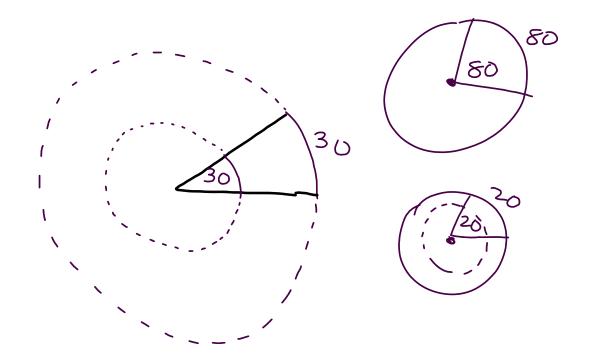
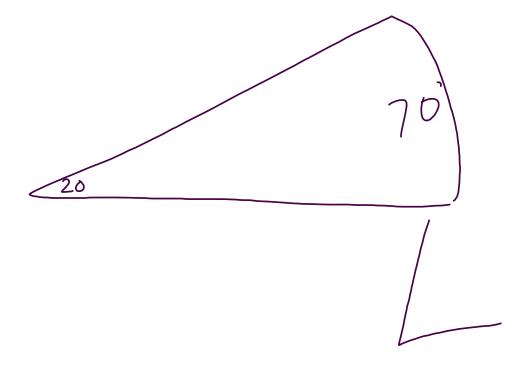
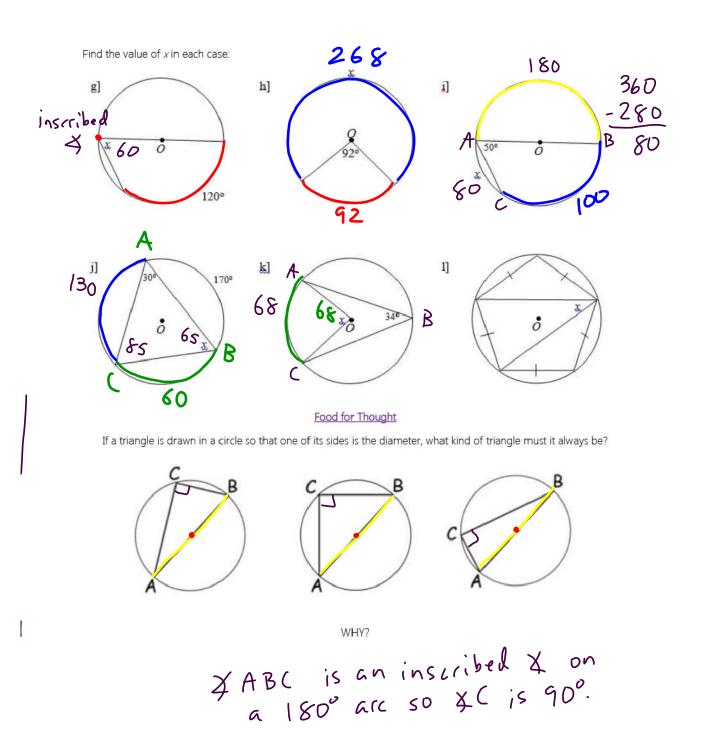
Geometry CC - Mr. Valentino Name: Unit 12 Day 4: Inscribed Angles/Tangent Arc Angles Per: \_\_\_ Date: Aim: What are the measures of angles formed by chords and tangents? Do Now: Refer to the diagram of circle O to find each of the following: 20 a] mAE b] m∠BOC c] mADB d]  $m\widehat{AD}$ e] mBD f] mEC gl mBDE 200 h] mBDc 300 The angles indicated by  $w_i x_i y_i$  and z are called inscribed angles. An <u>inscribed angle</u> is made by two <u>Chords</u> and its <u>vertex</u> is phe circle. What are the measures of angles x and y? (ک 100° (x100) 100° \*\*\*The measure of an inscribed angle is equal to half the measure of its intercepted arc\*\*\*



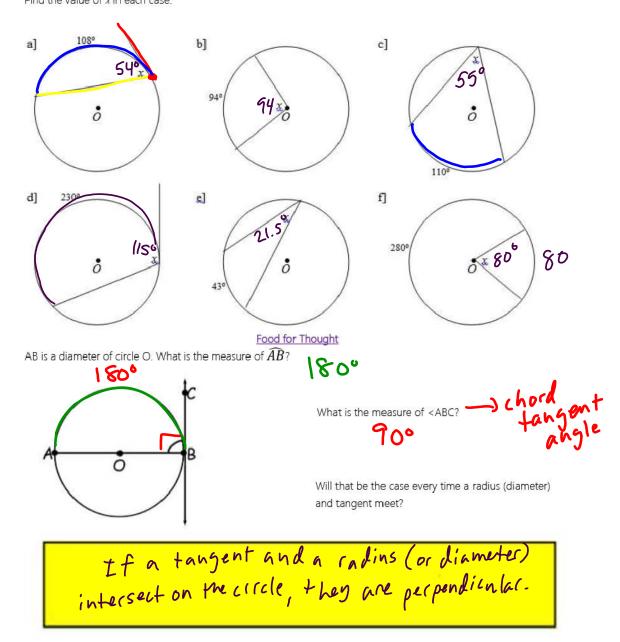




4

The measure of a <u>chord-tangent angle</u> is also equal to  $\frac{half}{}$  the measure of its intercepted arc.

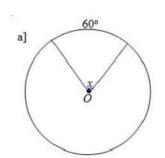
Find the value of x in each case:

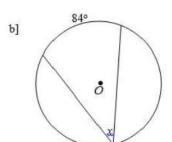


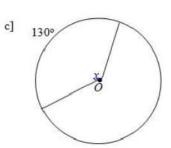
5

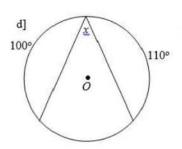
## Practice Problems

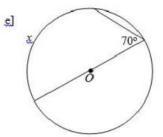
Find the value of x in each case:

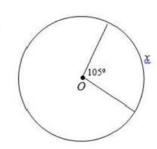












f]

