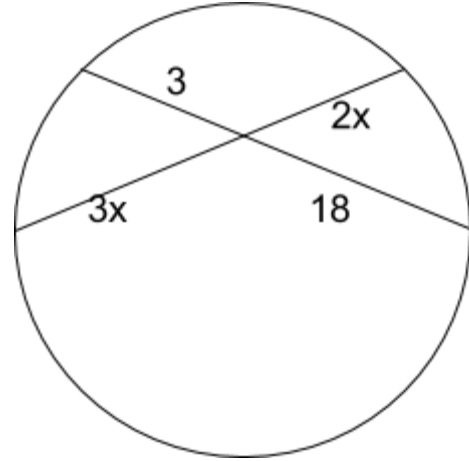


Name:

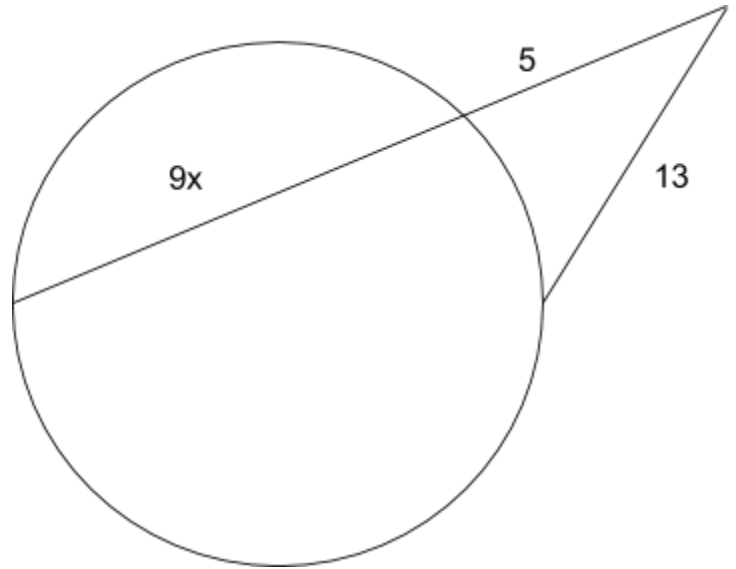
Date:

More Circle Properties **Level 4**

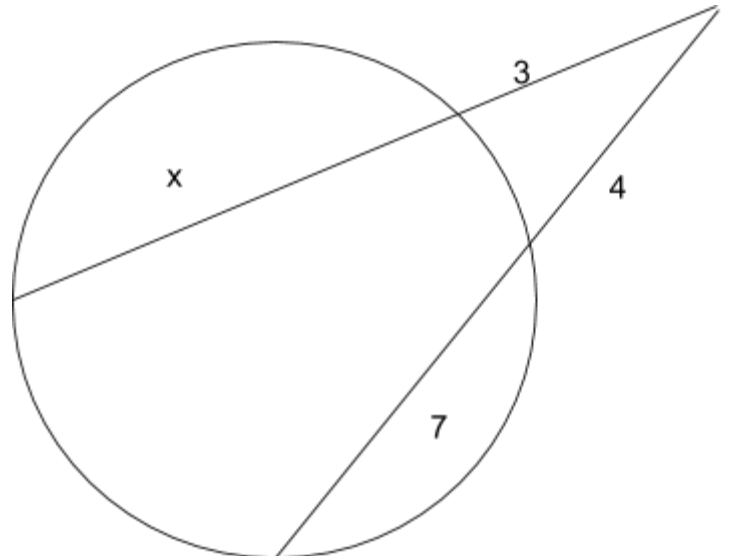
If two chords intersect in a circle, then the products of the measures of the chords are equal. You can solve them by:



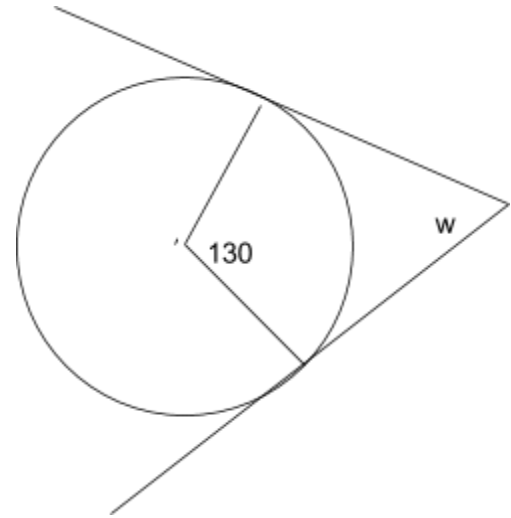
If you have a tangent and a secant in a circle, the length of the secant multiplied by its exterior part is equal to the length of the tangent squared. You can solve them by:



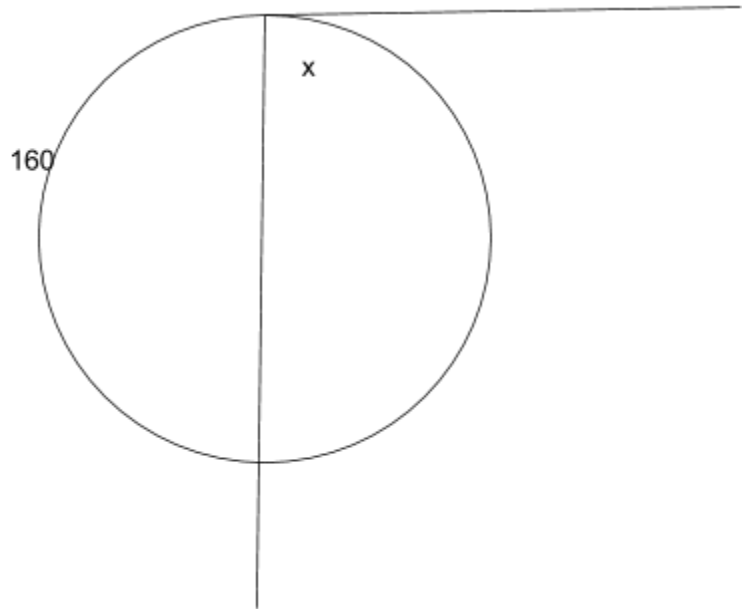
If you have two secants in a circle, then the length of one secant multiplied by its exterior part is equal to the length of the second secant multiplied by its exterior part. You can solve them by:



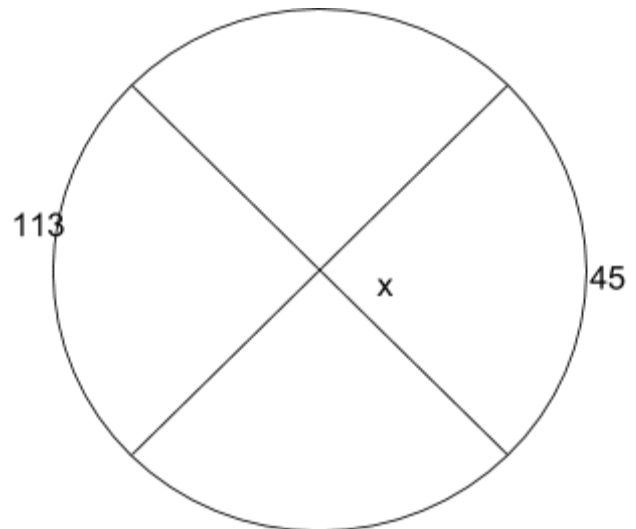
If two secants, a secant and a tangent, or two tangents intersect in the exterior of a circle then the measure of the angle formed is $\frac{1}{2}$ the difference of the measures of the intercepted arcs. You can solve this by:



If a secant and a tangent intersect at the point of tangency, then the measure of each angle formed is $\frac{1}{2}$ the measure of its intercepted arc. You can solve this by:



If two secants intersect in the interior of a circle, then the measure of the angle formed is $\frac{1}{2}$ the sum of the measure of the arcs intercepted by the angle and its vertical angle. You can solve this by:



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