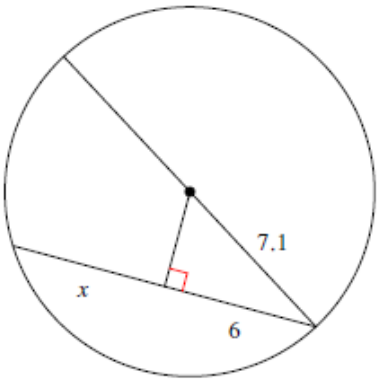
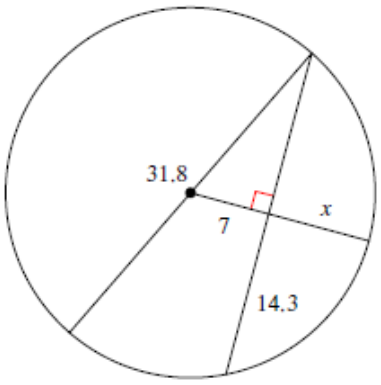
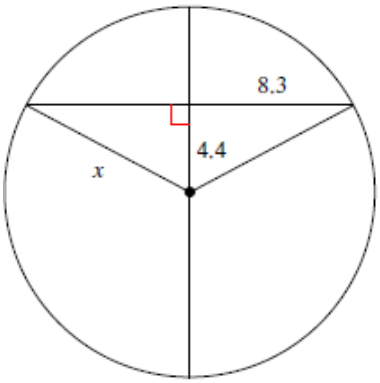
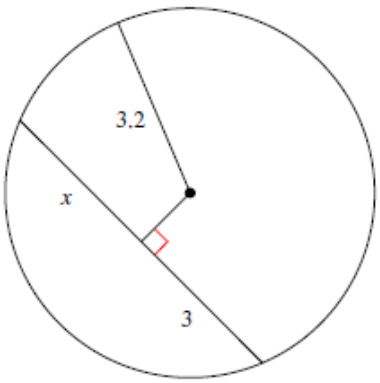
Name: _____

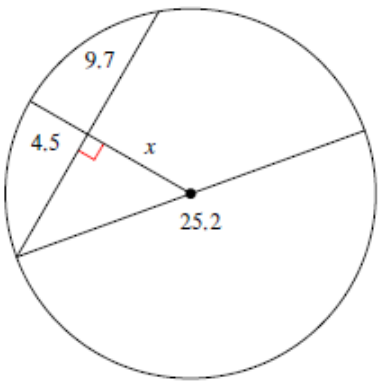
Chords and radii inside a circle:

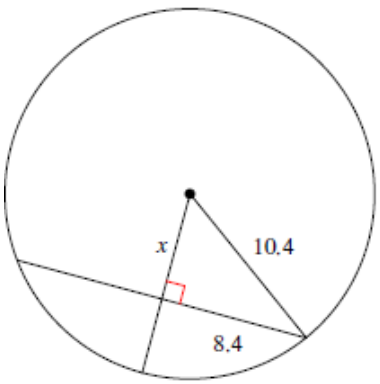






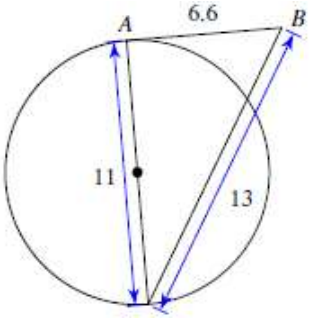


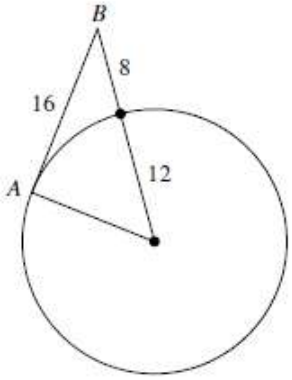


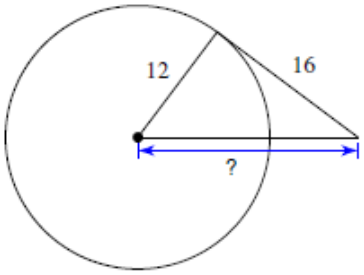


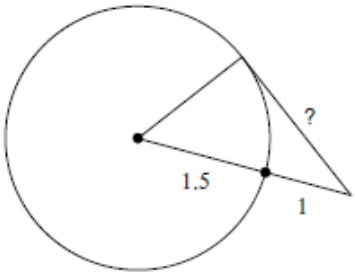
<u>Key Concept</u>: A radius (or diameter) that is perpendicular to a chord, is a perpendicular bisector (cuts the chord in half).

Tangents and radii around a circle:



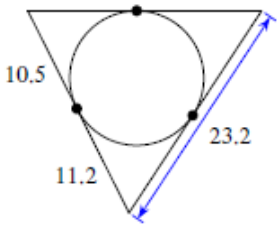


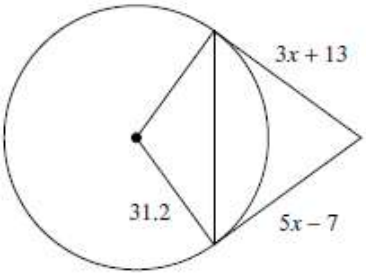


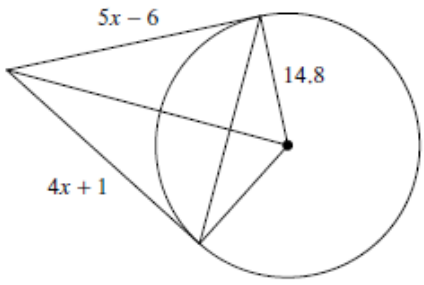


Key Concept: A radius is perpendicular to the tangent at the tangent point on the circle.

Find the perimeter of the triangle

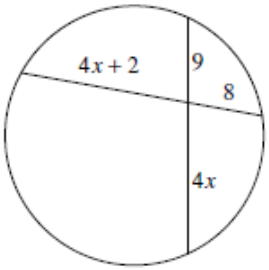


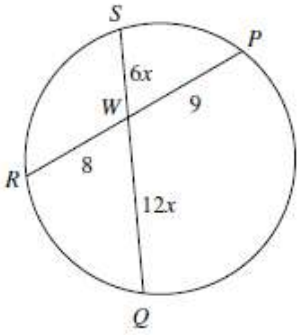


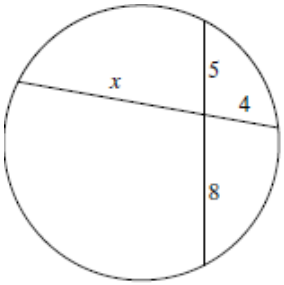


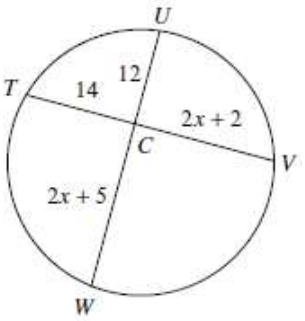
<u>Key Concept</u>: The distance from a point outside a circle to a point of tangency is the same to the other point of tangency from that point.

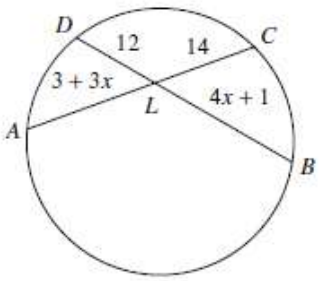
Segments inside circles:





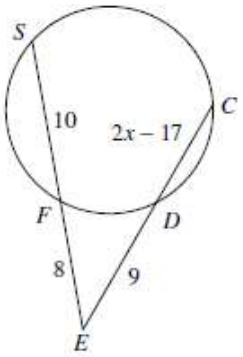


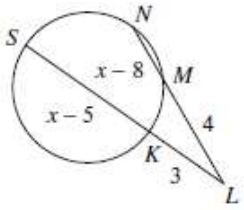


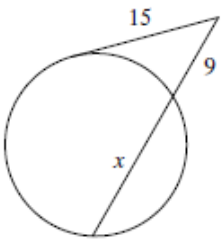


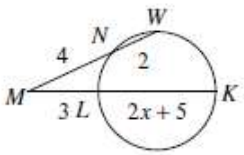
<u>Key Concept</u>: Part of the first segment × Other Part of first segment = Part of the second segment × Other Part of the second segment

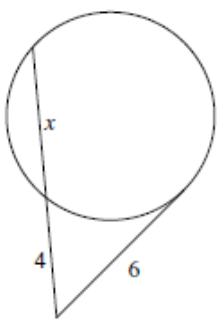
Segments outside circles:











<u>Key Concept</u>: Outside part of first segment × whole length of first segment = Outside part of the second segment × whole length of the second segment
Sum of the parts is equal to the whole.