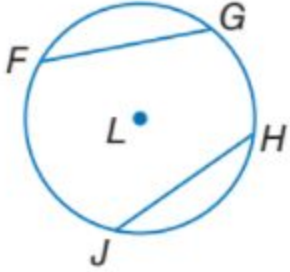
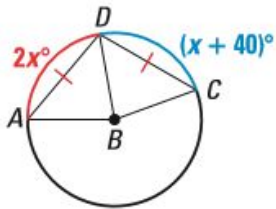


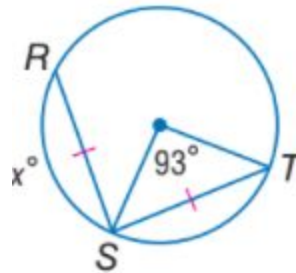
Recall: What is a chord of a circle?

<p>Theorem 10.2</p>	<p>In the same circle, or in congruent circles, two minor arcs are congruent if and only if their corresponding chords are congruent.</p>	
---------------------	---	---

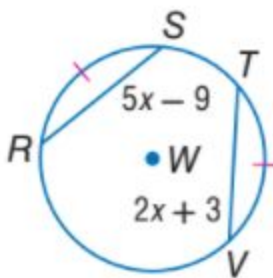
1. Find the measure of \widehat{AD} .



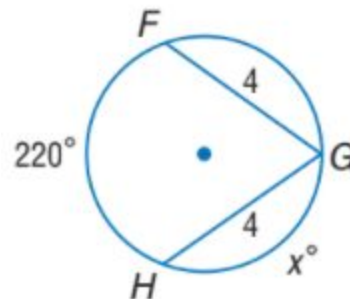
3. Find the value of x



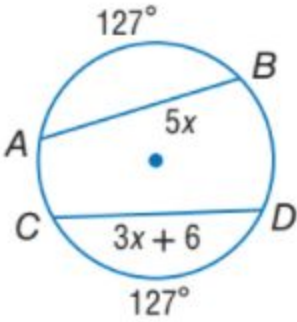
2. In $\odot W$, $\widehat{RS} \cong \widehat{TV}$. Find RS .



4. Find the value of x



5. Find the value of x

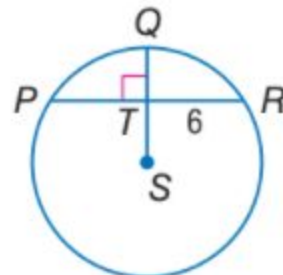


Theorem 10.3	If a diameter of a circle is perpendicular to a chord, then the diameter bisects the chord and its arc	
Theorem 10.4	If one chord is a perpendicular bisector of another chord, then the first chord is a diameter.	

6. In $\odot S$:

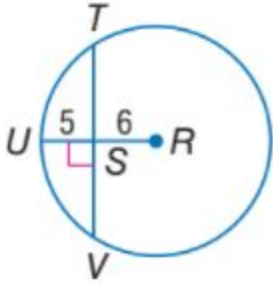
a. $m\widehat{PQR} = 98^\circ$. Find $m\widehat{PQ}$.

b. Find PR

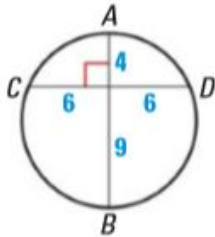


10.3 Arcs and Chords
Geometry CP

7. In $\odot R$, Find TV . Round to the nearest hundredth.

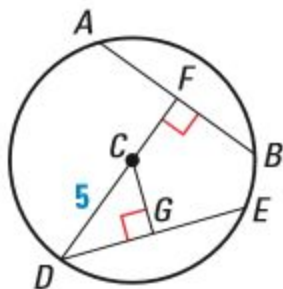


8. Determine whether \overline{AB} is a diameter of the circle.



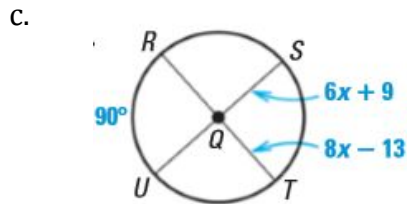
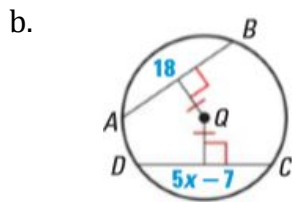
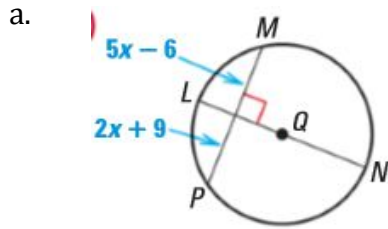
<p>Theorem 10.5</p>	<p>In the same circle, or in congruent circles, two chords are congruent if and only if they are equidistant from the center.</p>	
---------------------	---	--

9. $AB = 8$, $DE = 8$, and $CD = 5$. Find CF

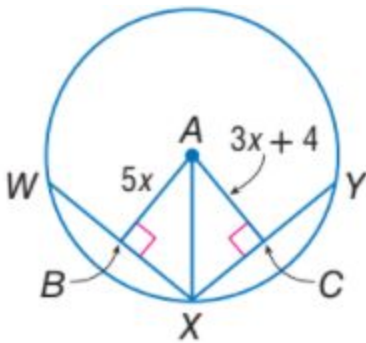


10.3 Arcs and Chords
Geometry CP

10. Find the value of x in $\odot Q$. Provide a theorem or postulate to justify your reasoning.

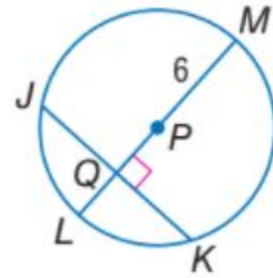


10. In $\odot A$, $WX = XY = 22$. Find AB



10.3 Arcs and Chords
Geometry CP

11. In $\odot P$, $JK = 10$ and $m\widehat{JLK} = 134$. Find each measure.
- a. $m\widehat{JL}$



- b. PQ