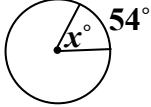
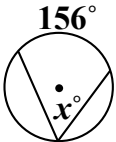
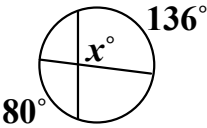
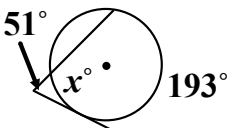
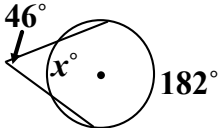
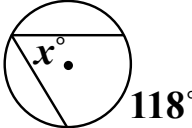
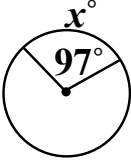
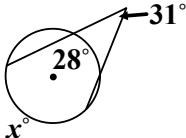
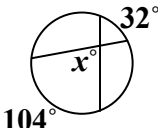



Angles in Circles

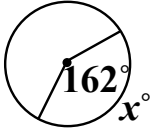
Like with segments, the angles in a circle are related to each other and to the arcs that they create. Also like with segments, these relationships follow a set of rules.

Central Angle $central = arc$	Inscribed Angle $2(inscribed) = arc$	Interior Vertical Angles $2(interior) = arc_1 + arc_2$	Exterior Angle $2(exterior) = arc_1 + arc_2$
<p>EX:</p>  <p>$x = \boxed{54^\circ}$</p>	<p>EX:</p>  <p>$2(x) = 156$ $x = \boxed{78^\circ}$</p>	<p>EX:</p>  <p>$2(x) = 136 + 80$ $2x = 216$ $x = \boxed{108^\circ}$</p>	<p>EX:</p>  <p>$2(51) = 193 - x$ $102 = 193 - x$ $-91 = -x$ $91 = x$ $x = \boxed{91^\circ}$</p>

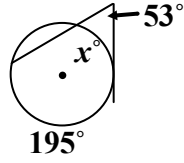
Determine the value of x.

<p>1.</p> 	<p>2.</p> 	<p>3.</p> 
<p>4.</p> 	<p>5.</p> 	<p>6.</p> 

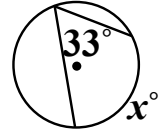
7.



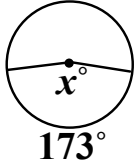
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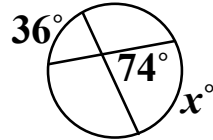
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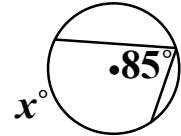
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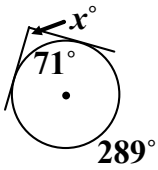
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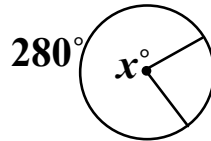
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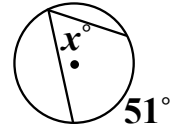
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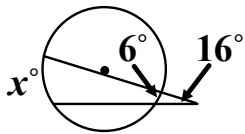
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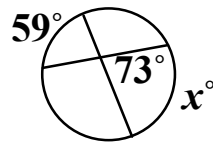
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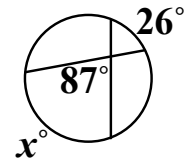
16.



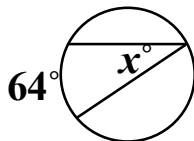
17.



18.



19.



20.



21.

