

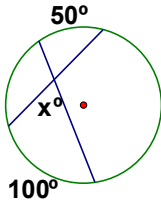
Name: _____
Mr. Schlansky

Date: _____
Geometry

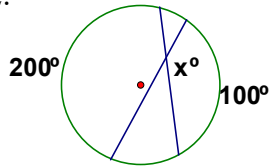
Intersecting Chords (Angles)

Find x in each of the following

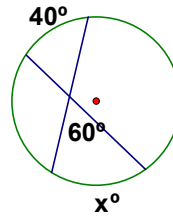
1.



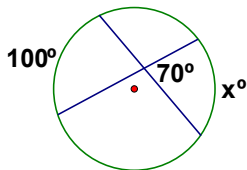
2.



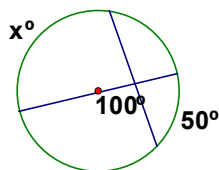
3.



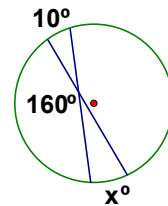
4.



5.



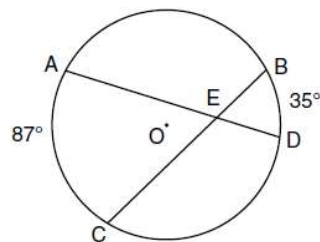
6.



7. In the diagram below of circle O , chords \overline{AD} and \overline{BC} intersect at E , $m\widehat{AC} = 87$, and $m\widehat{BD} = 35$.

What is the degree measure of $\angle CEA$?

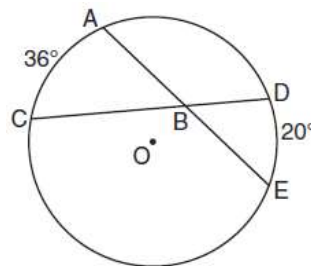
- 1) 87
- 2) 61
- 3) 43.5
- 4) 26



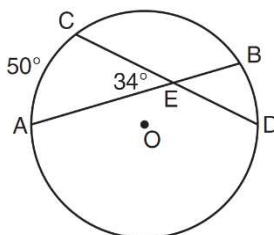
8. In the diagram below of circle O , chords \overline{AE} and \overline{DC} intersect at point B , such that $m\widehat{AC} = 36$ and $m\widehat{DE} = 20$.

What is $m\angle ABC$?

- 1) 56
- 2) 36
- 3) 28
- 4) 8



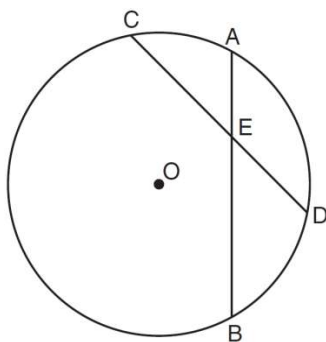
9. In the diagram below of circle O , chords \overline{AB} and \overline{CD} intersect at E .



If $m\angle AEC = 34$ and $m\widehat{AC} = 50$, what is $m\widehat{DB}$?

- 1) 16
- 2) 18
- 3) 68
- 4) 118

10. In the diagram below of circle O , chords \overline{AB} and \overline{CD} intersect at E .



If $m\angle CEB = 110^\circ$ and $m\widehat{AC} = 50$, what is $m\widehat{DB}$?