LESSON 10.3

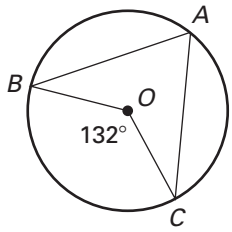
NAME _____ DATE _____

Practice B

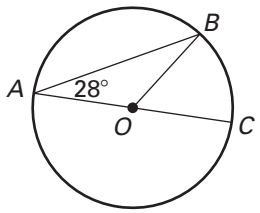
For use with pages 613–620

Find the measure of the indicated arc or angle in $\odot O$.

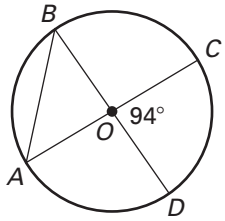
1. $m\angle BAC =$?



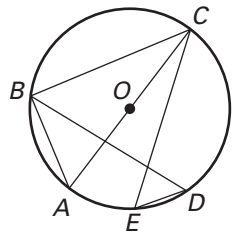
2. $m\overset{\frown}{BC} =$?



3. $m\angle BAC =$?



Find the measure of the arc or angle in $\odot O$, given $m\overset{\frown}{CD} = 108°$ and $m\overset{\frown}{BE} = 100°$.



4. $m\angle ABC$

5. $m\angle CED$

6. $m\angle BDE$

7. $m\angle CBD$

8. $m\angle ABD$

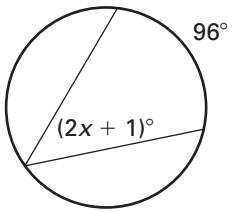
9. $m\angle BCE$

10. $m\overset{\frown}{AD}$

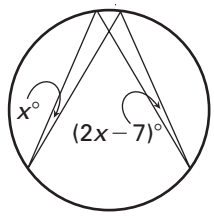
11. $m\overset{\frown}{ABC}$

Find the value of x.

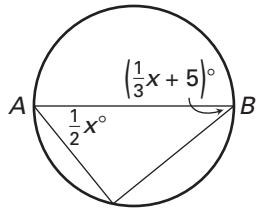
12.



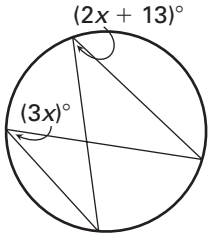
13.



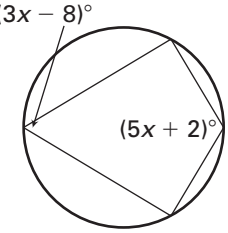
14. diameter $\overline{AB}$



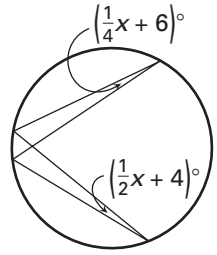
15.



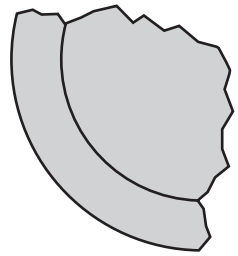
16.



17.



18. ***Archeology*** Archeologists found a portion of a circular dinner plate. Describe a method to determine the diameter of the plate.



LESSON 10.4

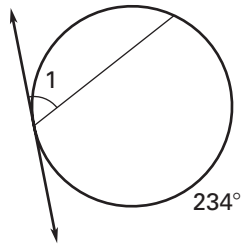
NAME _____ DATE _____

Practice B

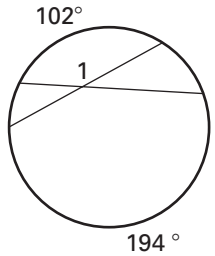
For use with pages 621–627

Find the measure of $\angle 1$.

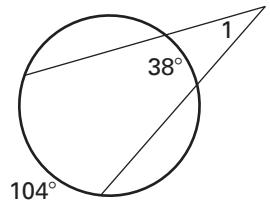
1.



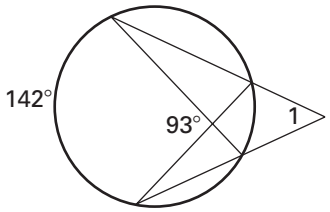
2.



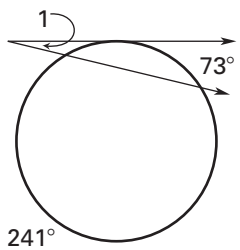
3.



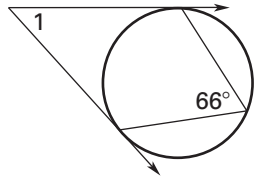
4.



5.

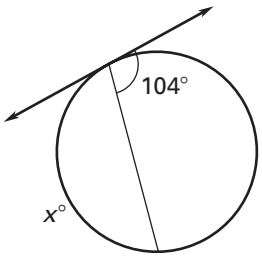


6.

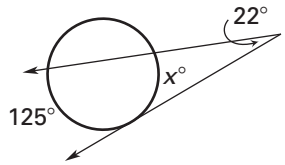


Write an equation that can be used to solve for *x*. Then solve the equation for *x*.

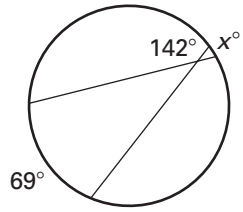
7.



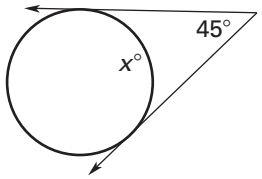
8.



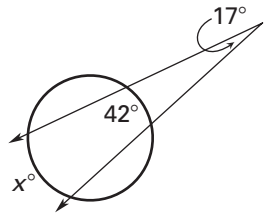
9.



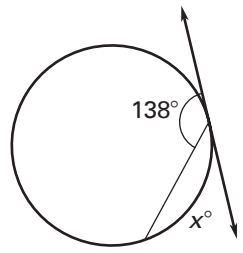
10.



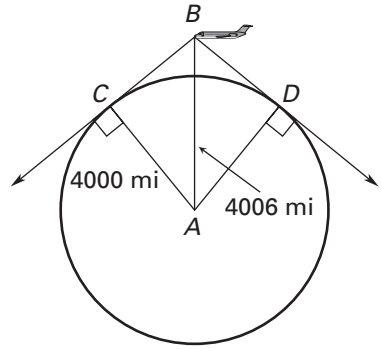
11.



12.



13. ***Aerial View*** You are flying across the plains of Kansas at an altitude of 32,000 feet, or approximately 6 miles. It is a clear day. Find the measure of $\overset{\frown}{CD}$ that represents the part of Earth that you can see.



not drawn to scale