

Match the notation with the term that best describes it.

\_\_\_\_\_ 1.  $\overline{AB}$

\_\_\_\_\_ 2.  $H$

\_\_\_\_\_ 3.  $\overline{HF}$

\_\_\_\_\_ 4.  $\overline{CH}$

\_\_\_\_\_ 5.  $C$

\_\_\_\_\_ 6.  $\overline{HB}$

\_\_\_\_\_ 7.  $\overline{AB}$

\_\_\_\_\_ 8.  $\overline{DE}$

A. Center

B. Chord

C. Diameter

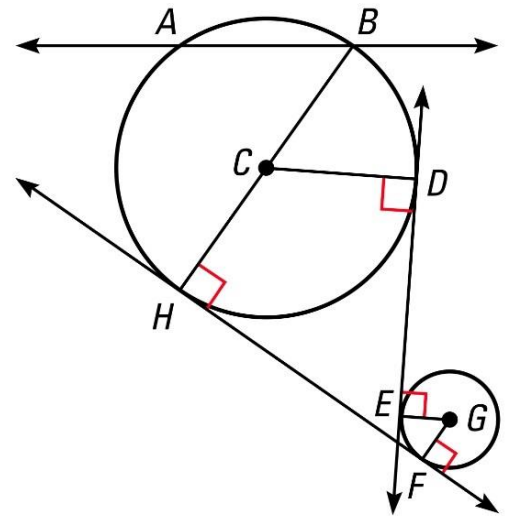
D. Radius

E. Point of tangency

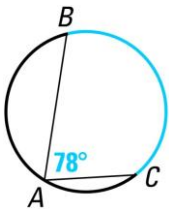
F. Common external tangent

G. Common internal tangent

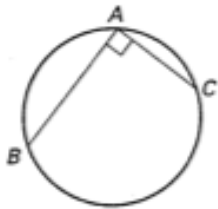
H. Secant



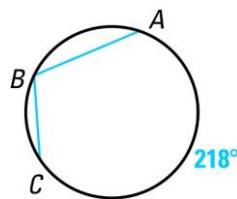
9. Find  $m\widehat{BC}$ .



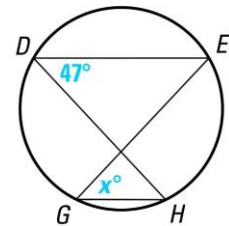
10. Find  $m\widehat{BC}$ .



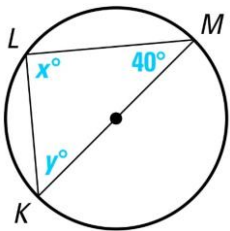
11. Find  $m\angle ABC$ .



12. Find the value of x.

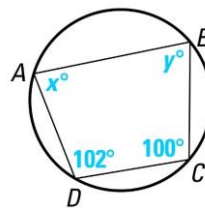


13. Find the value of x and y.



14. Find the value of x, y, and z.

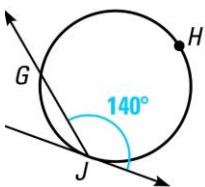
$m\widehat{BCD} = z^\circ$



Find the indicated measure.

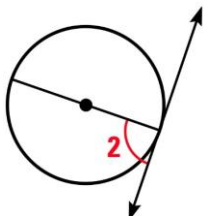
15.

$m\widehat{GHJ}$



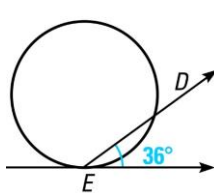
16.

$m\angle 2$



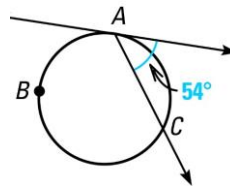
17.

$m\widehat{DE}$



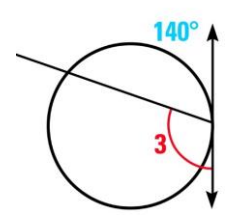
18.

$m\widehat{ABC}$



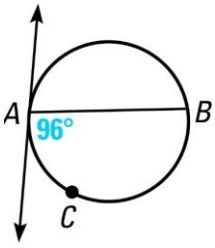
19.

$m\angle 3$

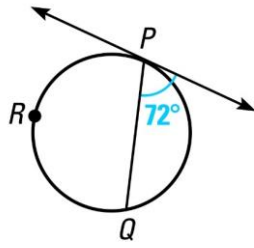


Find the value of  $x$ .

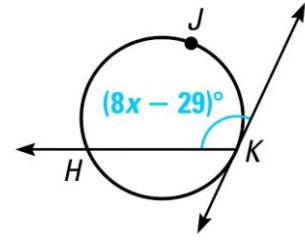
20.  $m\widehat{AB} = x^\circ$



21.  $m\widehat{PQ} = (5x + 17)^\circ$

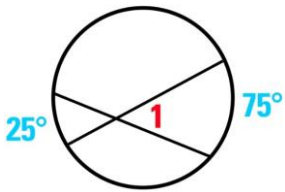


22.  $m\widehat{HJK} = (10x + 50)^\circ$

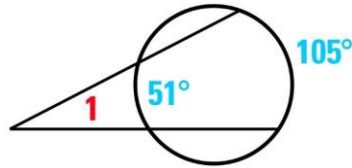


Find  $m\angle 1$ .

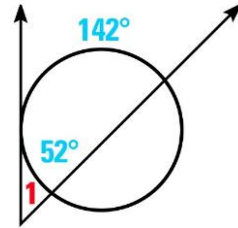
23.



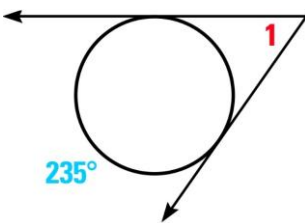
24.



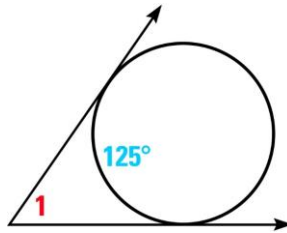
25.



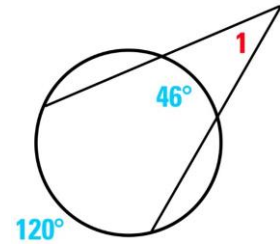
26.



27.

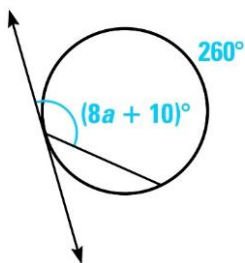


28.

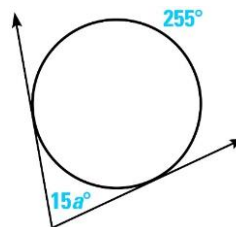


Find the value of  $a$ .

29.



30.



## Answer Key

9.  $156^\circ$

11.  $109^\circ$

13.  $x = 90^\circ$   
 $y = 50^\circ$

15.  $280^\circ$

17.  $72^\circ$

19.  $110^\circ$

21. 25.4

23.  $50^\circ$

25.  $45^\circ$

27.  $55^\circ$

29. 15