

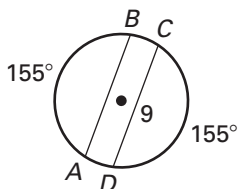
**LESSON 10.3**

**Practice A**

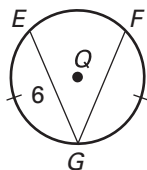
For use with the lesson "Apply Properties of Chords"

**Find the chord length.**

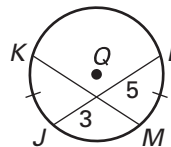
1.  $AB$



2.  $FG$

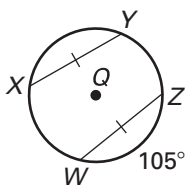


3.  $KM$

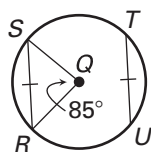


**Find the measure of the arc.**

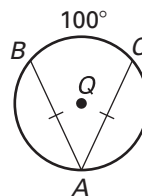
4.  $m\widehat{XY}$



5.  $m\widehat{TU}$

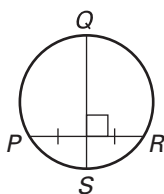


6.  $m\widehat{AB}$

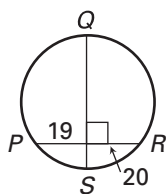


**Tell whether  $\overline{QS}$  is a diameter of  $\odot C$ . If not, explain why.**

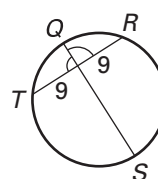
7.



8.

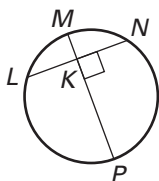


9.

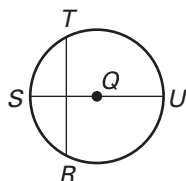


**Tell whether the measures are equal.**

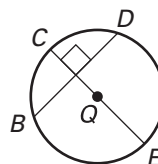
10.  $LK$  and  $KN$



11.  $m\widehat{ST}$  and  $m\widehat{RS}$

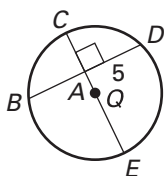


12.  $m\widehat{BC}$  and  $m\widehat{CD}$

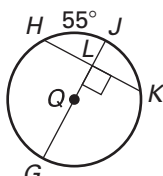


**Find the given measure.**

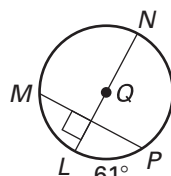
13.  $BD$



14.  $m\widehat{JK}$



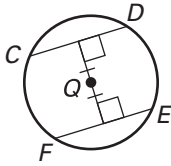
15.  $m\widehat{MN}$



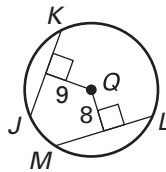
**LESSON 10.3** **Practice A** *continued*  
 For use with the lesson "Apply Properties of Chords"

**Tell whether the lengths are equal.**

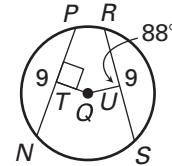
16.  $CD$  and  $EF$



17.  $JK$  and  $LM$

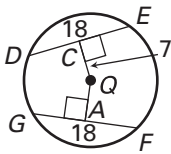


18.  $TQ$  and  $UQ$

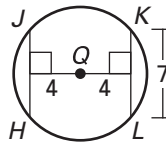


**Find the given measure.**

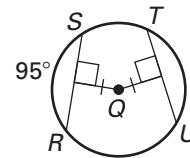
19.  $AQ$



20.  $HJ$

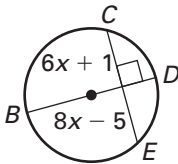


21.  $m\widehat{TU}$

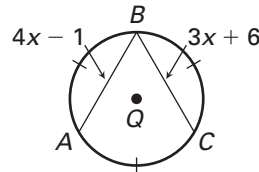


**Find the value of  $x$ .**

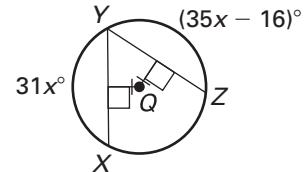
22.



23.



24.



25. **Coins** You notice that the word LIBERTY on the heads side of a quarter makes about the same arc as the words QUARTER DOLLAR on the tails side. *Explain* how you can use a straight ruler to check whether this is true.

