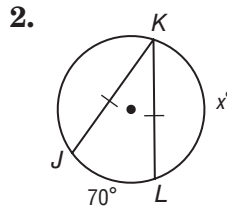
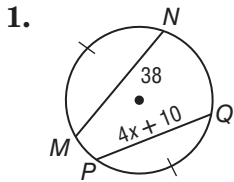


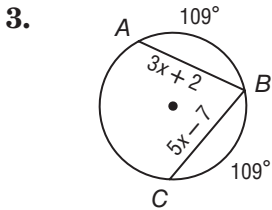
10-3 Practice

Arcs and Chords

ALGEBRA Find the value of x in each circle.

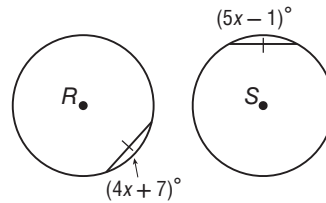


7



145

4. $\odot R \cong \odot S$



4.5

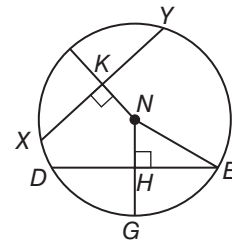
The radius of $\odot N$ is 18, $NK = 9$, and $m\widehat{DE} = 120$. Find each measure.

5. $m\widehat{GE}$ 60

6. $m\angle HNE$ 60

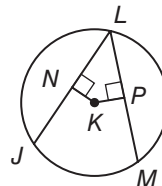
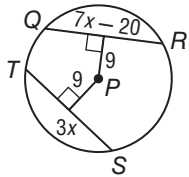
7. $m\angle HEN$ 30

8. HN 9



9. In $\odot P$, $QR = 7x - 20$ and $TS = 3x$. What is x ?

10. In $\odot K$, $\overline{JL} \cong \overline{LM}$, $KN = 3x - 2$, and $KP = 2x + 1$. What is x ?



5

3

11. **GARDEN PATHS** A circular garden has paths around its edge that are identified by the given arc measures. It also has four straight paths, identified by segments \overline{AC} , \overline{AD} , \overline{BE} , and \overline{DE} , that cut through the garden's interior. Which two straight paths have the same length?
 \overline{DE} and \overline{AC}

