10-3 / Skills Practice

Arcs and Chords

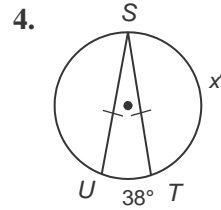**ALGEBRA** Find the value of x in each circle.

1.

2.

3.

4.

5.

6.
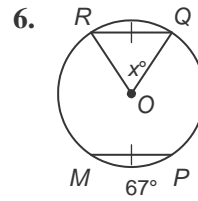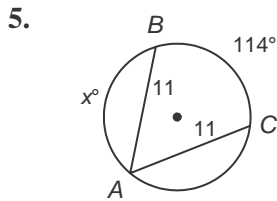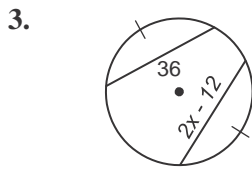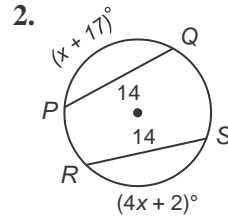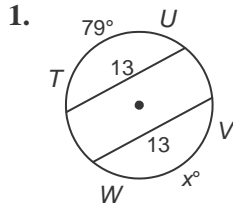
In $\odot Y$ the radius is 34, $AB = 60$, and $m\widehat{AC} = 71$. Find each measure.

7. $m\widehat{BC}$

8. $m\widehat{AB}$

9. AD

10. BD

11. YD

12. DC

13. In $\odot U$, $VW = 20$ and $YZ = 5x$. What is x?

14. In $\odot Z$, $\widehat{TR} \cong \widehat{TV}$, $SZ = x + 4$, and $UZ = 2x - 1$. What is x?

Lesson 10-3