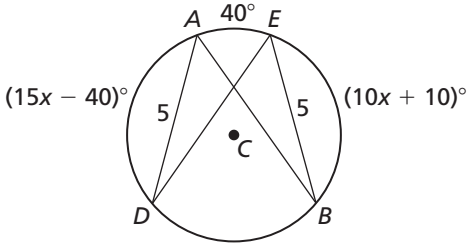
Name_____ Date _____

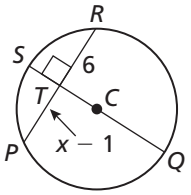
10.3 Practice B

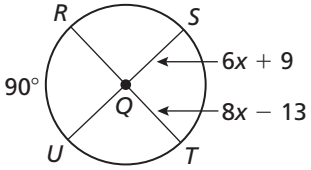
In Exercises 1–4, use the diagram of $\odot C$.

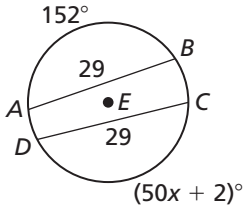


1. Explain why $\overset{\frown}{AD} \cong \overset{\frown}{BE}$.
2. Find the value of x.
3. Find $m\overset{\frown}{AD}$ and $m\overset{\frown}{BE}$.
4. Find $m\overset{\frown}{BD}$.

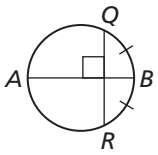
In Exercises 5–7, find the value of x.

5. 

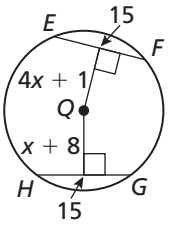
6. 

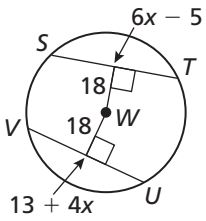
7. 

8. Determine whether $\overline{AB}$ is a diameter of the circle. Explain your reasoning.



In Exercises 9 and 10, find the radius of $\odot C$.

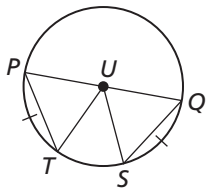
9. 

10. 

11. Copy and complete the proof.

Given $\overline{PQ}$ is a diameter of $\odot U$.
$\overset{\frown}{PT} \cong \overset{\frown}{QS}$

Prove $\triangle PUT \cong \triangle QUS$



STATEMENTS	REASONS
1. $\overline{PQ}$ is a diameter of $\odot U$.	1. _____
2. _____	2. Congruent Corresponding Chords Theorem
3. $\overline{UP} \cong \overline{UQ} \cong \overline{UT} \cong \overline{US}$	3. _____
4. $\triangle PUT \cong \triangle QUS$	4. _____

12. Briefly explain what other congruence theorem you could use to prove that $\triangle PUT \cong \triangle QUS$ in Exercise 11.