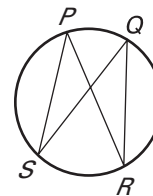


LESSON 10.4 Practice
For use with pages 671–679

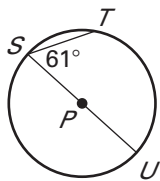
1. **Multiple Choice** In the figure shown, which statement is true?

- A. $\angle SPR \cong \angle PSQ$ B. $\angle RQS \cong \angle RPS$
C. $\angle RPS \cong \angle PRQ$ D. $\angle PRQ \cong \angle SQR$

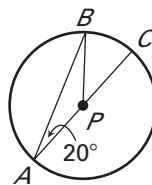


Find the measure of the indicated angle or arc in $\odot P$.

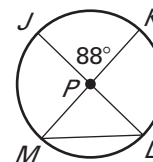
2. $m\widehat{ST}$



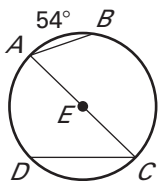
3. $m\widehat{AB}$



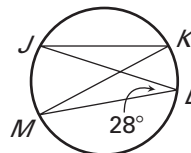
4. $m\angle JLM$



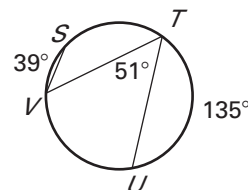
5. $m\angle A$



6. $m\angle K$

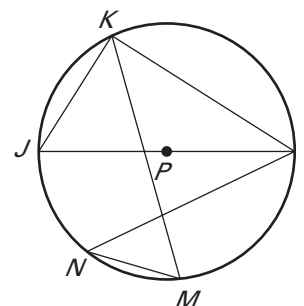


7. $m\widehat{VST}$



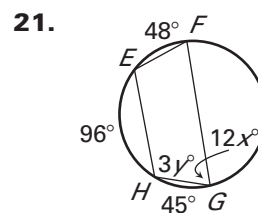
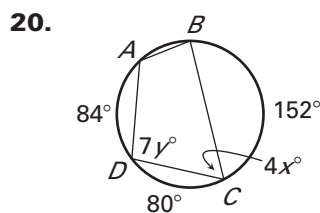
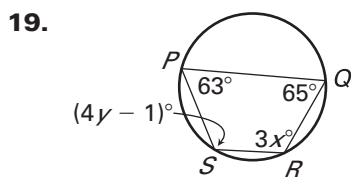
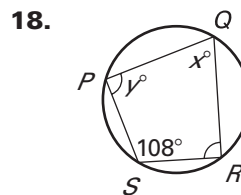
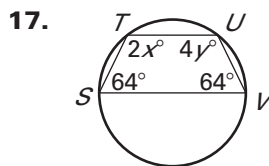
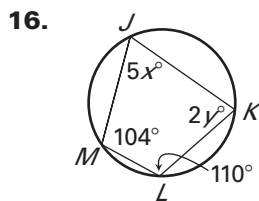
Find the measure of the indicated angle or arc in $\odot P$, given $m\widehat{LM} = 84^\circ$ and $m\widehat{KN} = 116^\circ$.

8. $m\angle JKL$ 9. $m\angle MKL$
10. $m\angle KMN$ 11. $m\angle JKM$
12. $m\angle KLN$ 13. $m\angle LNM$
14. $m\widehat{MJ}$ 15. $m\widehat{LKJ}$



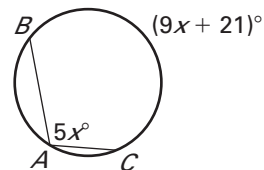
LESSON 10.4 **Practice** *continued*
For use with pages 671–679

Find the values of the variables.



22. Multiple Choice What is the value of x in the figure shown?

- A.** 7
- B.** 12
- C.** 16
- D.** 21

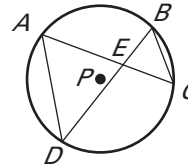


LESSON
10.4
Practice *continued*
For use with pages 671–679

- 23. Proof** Complete the proof.

GIVEN: $\odot P$

PROVE: $\triangle AED \sim \triangle BEC$



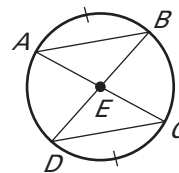
Statements	Reasons
1. $\odot P$	1. Given
2. <u> ?</u>	2. Vertical Angles Theorem
3. $\angle CAD \cong \angle DBC$	3. <u> ?</u>
4. $\triangle AED \sim \triangle BEC$	4. <u> ?</u>

- 24.** Name two other angles that could be used in Step 3 of Exercise 23.

- 25. Proof** Complete the proof.

GIVEN: $\widehat{AB} \cong \widehat{CD}$

PROVE: $\triangle ABE \cong \triangle DCE$



Statements	Reasons
1. $\widehat{AB} \cong \widehat{CD}$	1. <u> ?</u>
2. <u> ?</u>	2. Theorem 10.3
3. <u> ?</u>	3. Vertical Angles Theorem
4. $\angle BDC \cong \angle CAB$	4. <u> ?</u>
5. $\triangle ABE \cong \triangle DCE$	5. <u> ?</u>