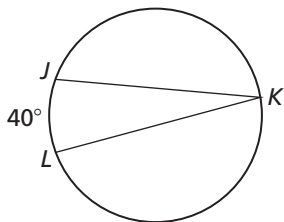


10.4

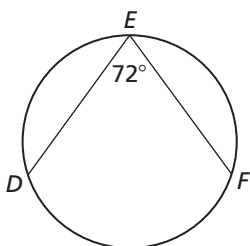
Practice A

In Exercises 1–3, find the indicated measure.

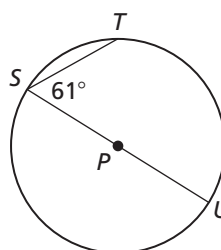
1. $m\angle K$



2. $m\widehat{DF}$

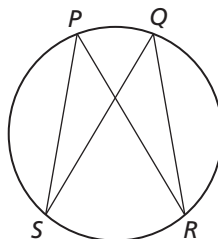


3. $m\widehat{ST}$



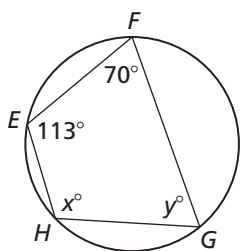
4. In the diagram shown, which statement is true? Explain.

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

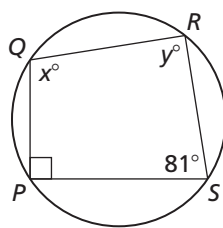


In Exercises 5–7, find the value of each variable.

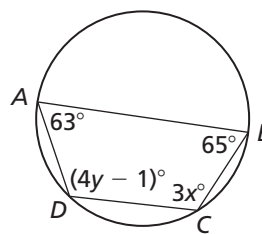
5.



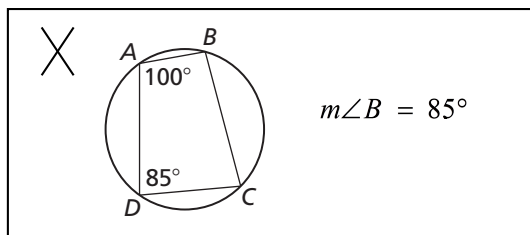
6.



7.



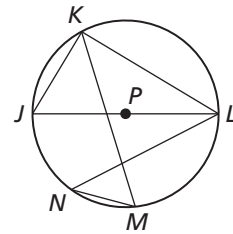
8. Describe and correct the error in finding $m\angle B$.



10.4

Practice B

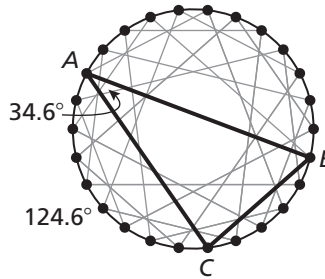
In Exercises 1–8, find the measure of the indicated arc or angle in $\odot P$ given $m\widehat{LM} = 84^\circ$ and $m\widehat{KN} = 116^\circ$.



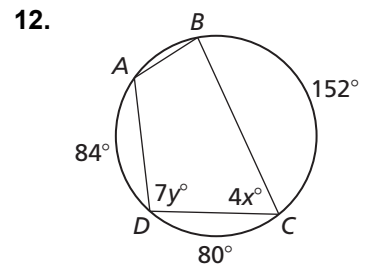
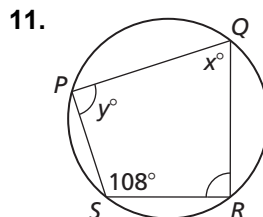
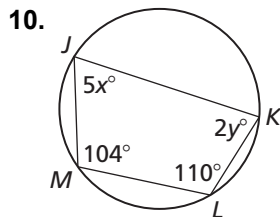
- | | |
|--------------------|---------------------|
| 1. $m\angle JKL$ | 2. $m\angle MKL$ |
| 3. $m\angle KMN$ | 4. $m\angle JKM$ |
| 5. $m\angle KLN$ | 6. $m\angle LNM$ |
| 7. $m\widehat{MJ}$ | 8. $m\widehat{LKJ}$ |

9. You make a design using a pencil and a circular wheel, as shown.

- Find $m\angle ABC$.
- Find $m\angle ACB$.
- What type of triangle is $\triangle ABC$? Explain.



In Exercises 10–12, find the value of each variable.



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

