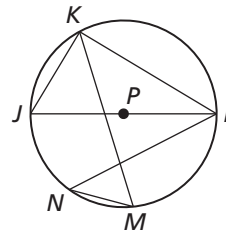


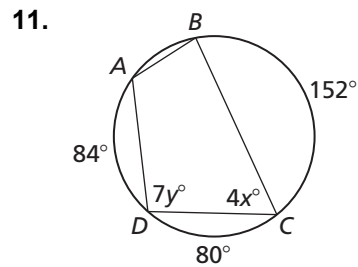
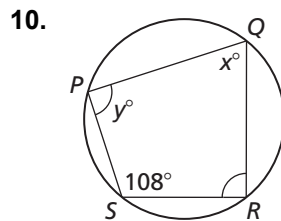
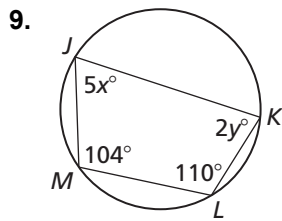
10.4 Practice B

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. $m\widehat{LKJ}$

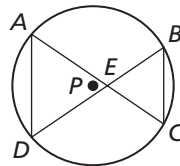
In Exercises 9–11, find the value of each variable.



12. Copy and complete the proof.

Given $\odot P$

Prove $\triangle AED \sim \triangle BEC$



STATEMENTS	REASONS
1. $\odot P$	1. Given
2. _____	2. Vertical Angles Congruence Theorem
3. $\angle CAD \cong \angle DBC$	3. _____
4. $\triangle AED \sim \triangle BEC$	4. _____

13. Your friend claims that the angles $\angle ADB$ and $\angle BCA$ could be used in Step 3 of Exercise 12. Is your friend correct? Explain your reasoning.

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

