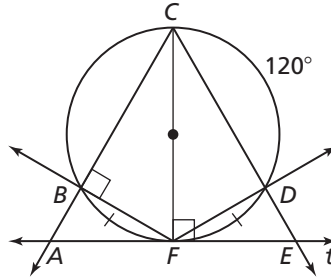


10.5

Practice B

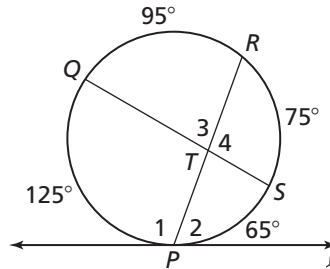
In Exercises 1–6, use the diagram to find the measure of the angle.

1. $m\angle CAF$
2. $m\angle AFB$
3. $m\angle CEF$
4. $m\angle CFB$
5. $m\angle DCF$
6. $m\angle BCD$

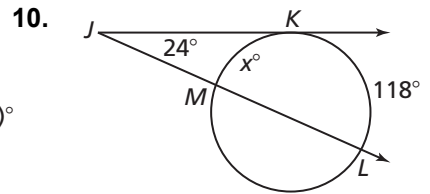
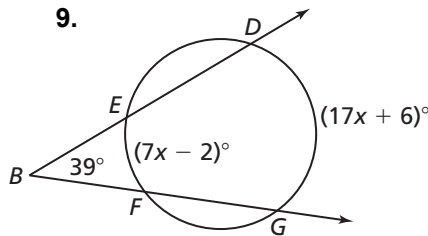
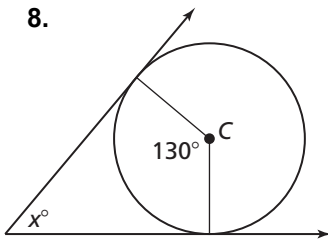


7. In the diagram, ℓ is tangent to the circle at P . Which relationship is *not* true? Explain.

- A. $m\angle 1 = 110^\circ$ B. $m\angle 2 = 70^\circ$
 C. $m\angle 3 = 80^\circ$ D. $m\angle 4 = 90^\circ$

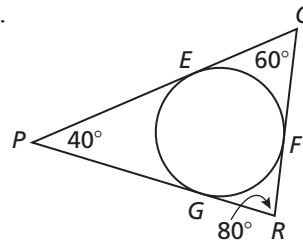


In Exercises 8–10, find the value of x .



11. In the diagram, the circle is inscribed in $\triangle PQR$.

- a. Find $m\widehat{EF}$.
- b. Find $m\widehat{FG}$.
- c. Find $m\widehat{GE}$.



12. A plane at point U is flying at an altitude of 7 miles above Earth. What is the measure of arc TV that represents the part of Earth you can see from the airplane? The radius of Earth is about 4000 miles.

