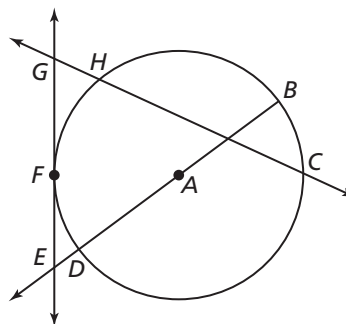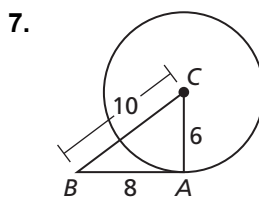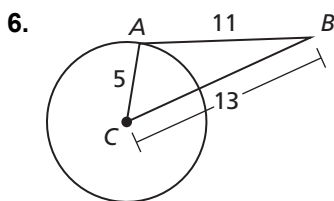Name _____ Date _____

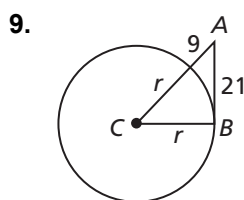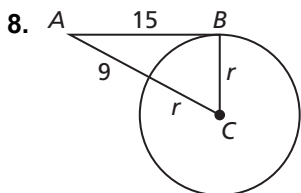## 10.1 Practice A

In Exercises 1–5, use the diagram.

1. Name the circle.

2. Name two radii.

3. Name two chords.

4. Name a secant.

5. Name a tangent.
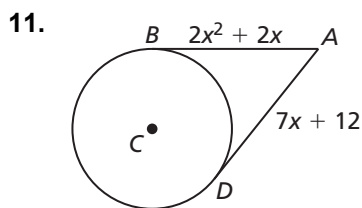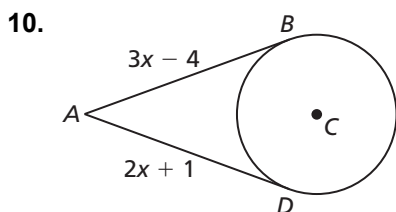
In Exercises 6 and 7, tell whether $\overline{AB}$ is tangent to $\odot C$. Explain your reasoning.

6.

7.

In Exercises 8 and 9, point B is a point of tangency. Find the radius r of $\odot C$.

8.

9.

In Exercises 10 and 11, points B and D are points of tangency. Find the value(s) of x.

10.

11.

12. Construct $\odot C$ with a 1-inch radius and a point A outside of $\odot C$. Then construct a line tangent to $\odot C$ that passes through A.

13. Two sidewalks are tangent to a circular park centered at P, as shown.

   a. What is the length of sidewalk $\overline{AB}$? Explain.

   b. What is the diameter of the park?