Practice 11-1

Tangent Lines

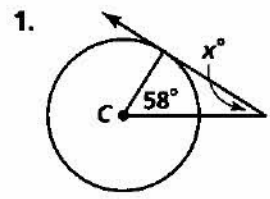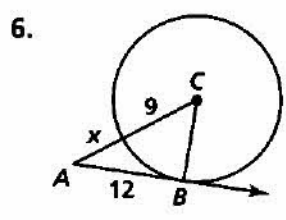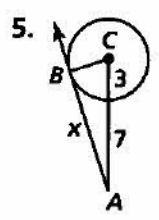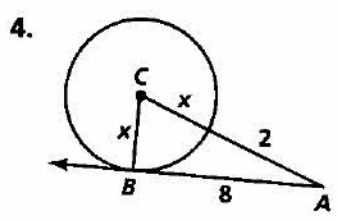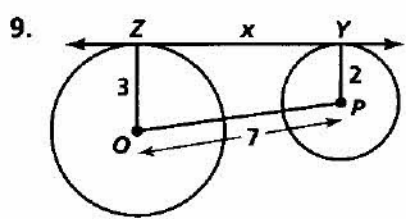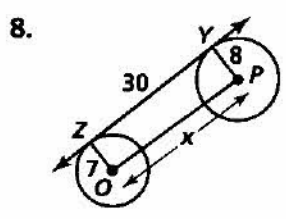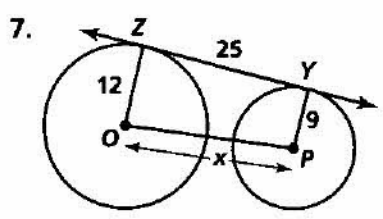Assume that lines that appear to be tangent are tangent. *C* is the center of each circle. Find the value of *x*.

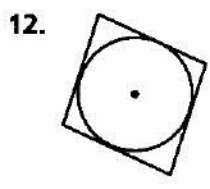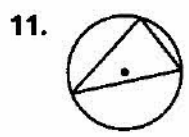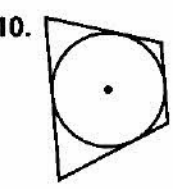**1.**

2.

3.
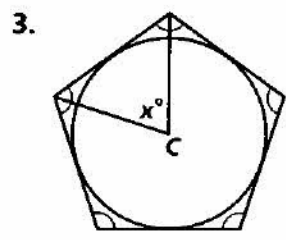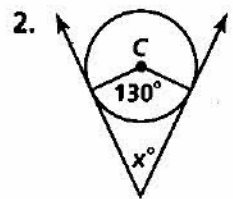
In each diagram, $\overrightarrow{AB}$ is tangent to $\odot C$ at *B*. Find the value of *x*.

4.

5.

6.

In each diagram, $\overleftrightarrow{ZY}$ is tangent to circles *O* and *P*. Find the value of *x*.

7.

8.

9.

Tell whether each polygon is inscribed in or circumscribed about the circle.

10.

11.

12.

In each diagram, a polygon circumscribes a circle. Find the perimeter of each polygon.

13.

14.

15.

Geometry Chapter 11