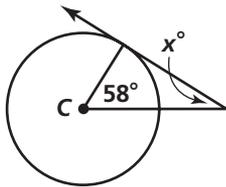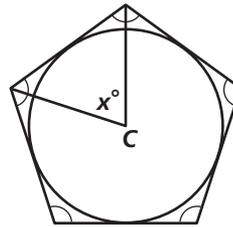Name _____ Class _____ Date _____

Practice 12-1

Tangent Lines

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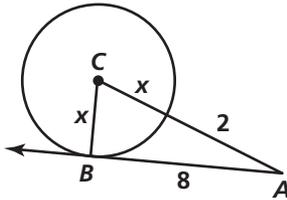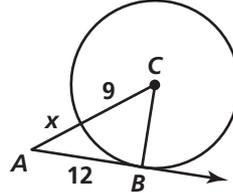
1. _____

2. _____

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

3. _____

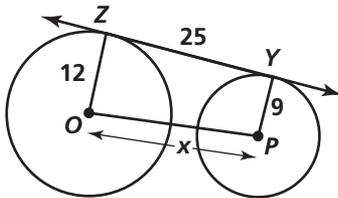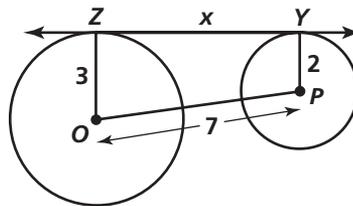**4.** _____

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

5. _____

6. _____
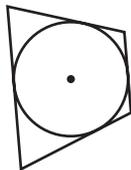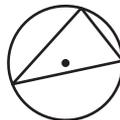

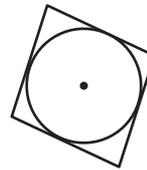Tell whether each polygon is inscribed in or circumscribed about the circle.

7. _____

8. _____

9. _____