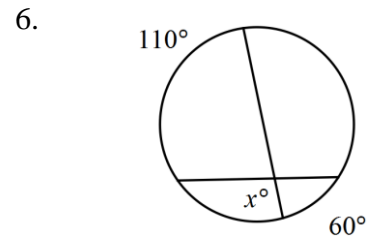
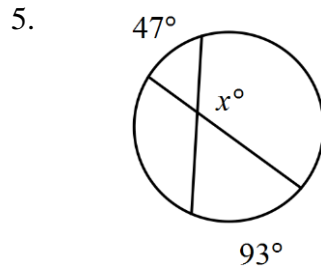
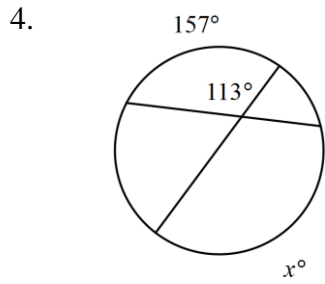
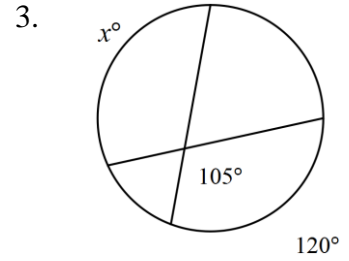
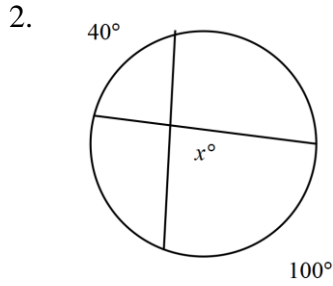
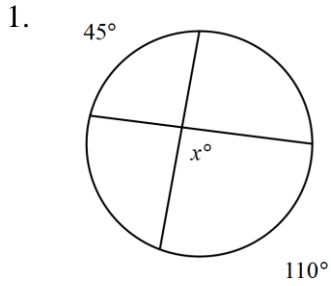


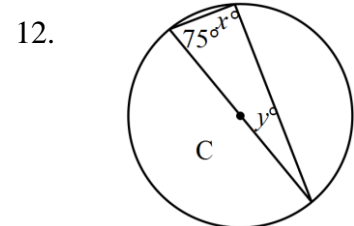
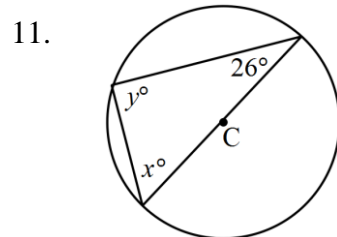
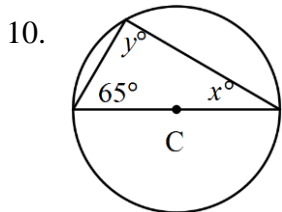
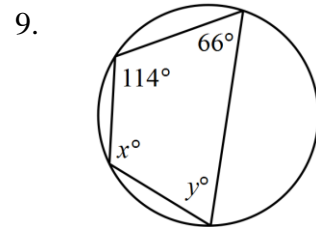
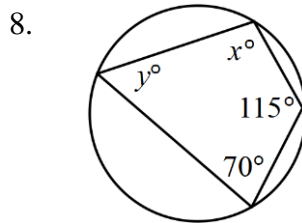
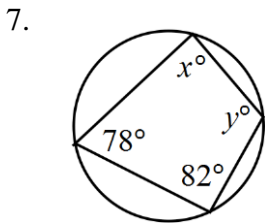
Name: \_\_\_\_\_ Period: \_\_\_\_\_

**SM2 12.2—Inscribed Polygons and Tangent and Chord Theorems**

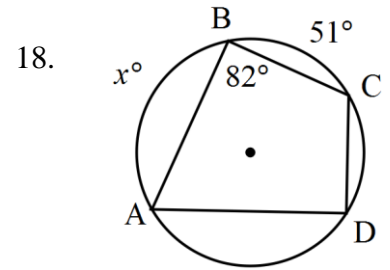
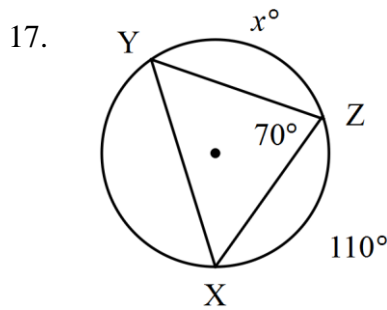
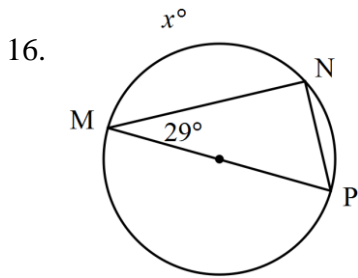
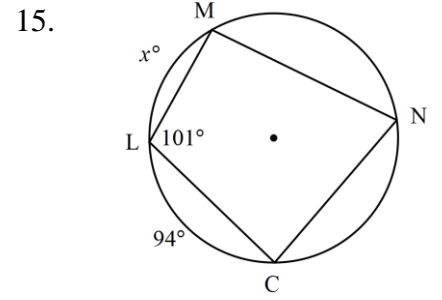
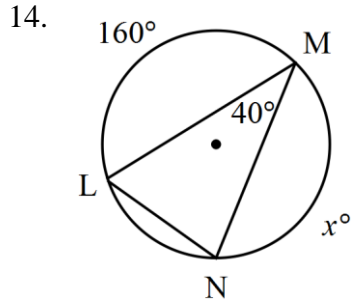
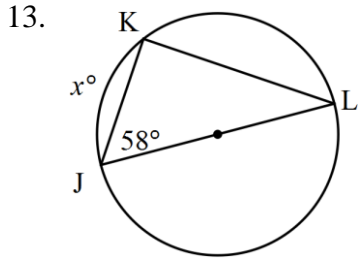
**Find the value of  $x$ .**



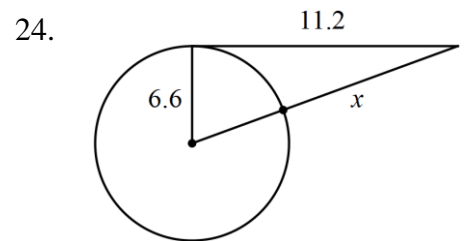
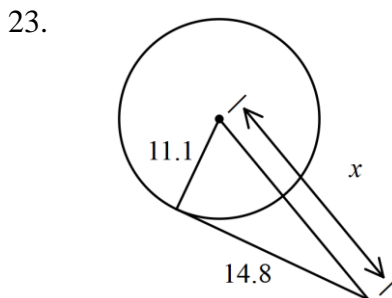
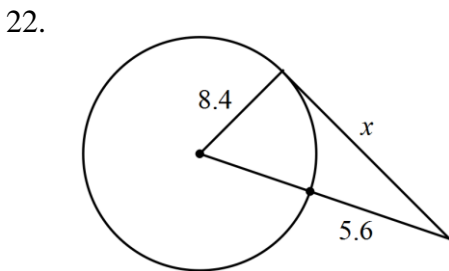
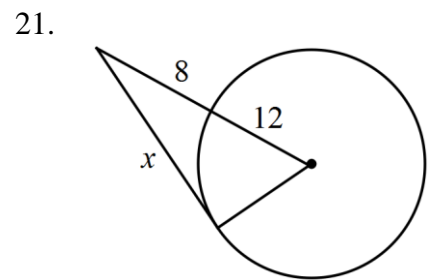
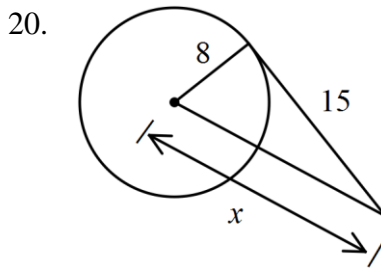
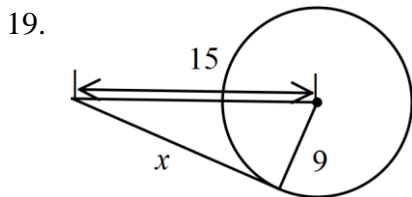
**Find the values of  $x$  and  $y$ .**



Find the measure of the arc or angle indicated.

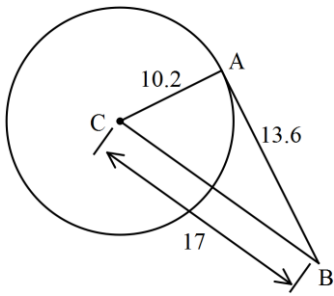


Find the segment length indicated. Assume that segments which appear to be tangent to the circle are tangent to the circle. If necessary, round your answers to the nearest tenth.

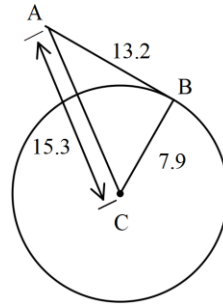


Determine if segment AB is tangent to the circle.

25.



26.



27.

