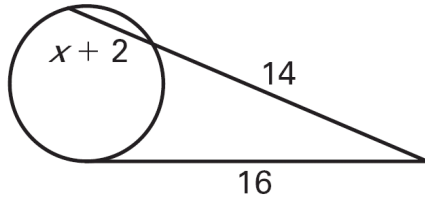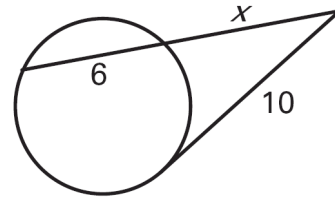**Name** _____   **Date** _____

Practice C
For use with pages 688–695

Find the value of *x*. Round decimal answers to the nearest tenth.
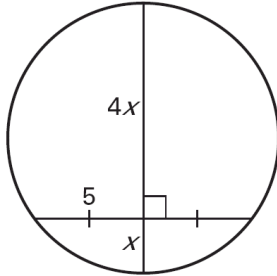
1.

$x + 2$ 14   16

2.

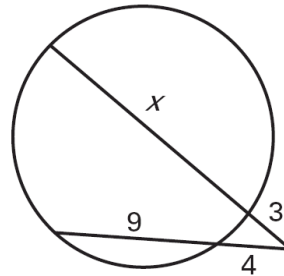

x 6   10

3.

$4x$ 5 x

4.

3   x 8

5.

6   x $x + 3$ $4x$

6.

x 9   3   4

7.

$2x - 1$ $x + 7$ $x - 2$ 4

8.

2.5 x 1.6 $x - 3.6$
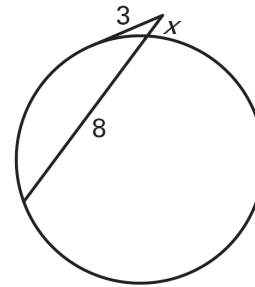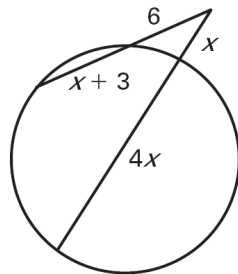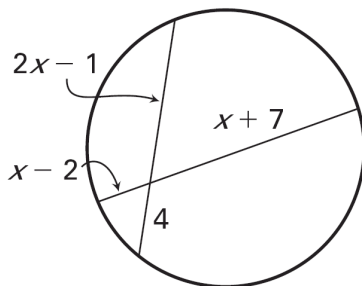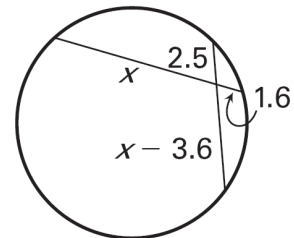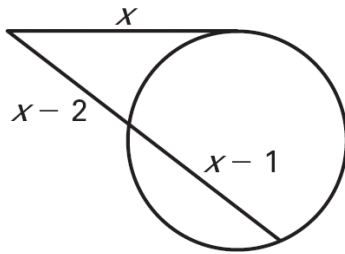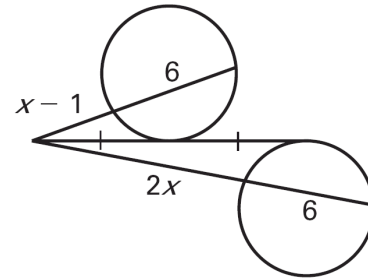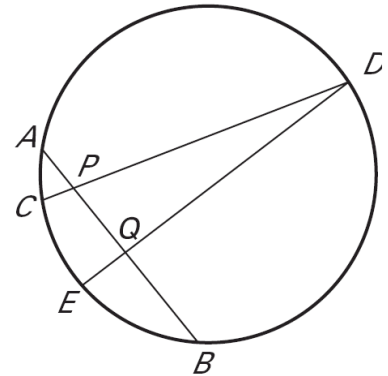
Find all the possible values of x.

9.

10.

11. In the figure at the right, let $AP = x$, $PQ = x + 2$, $QB = x + 4$, $CP = 2$, $PD = 6x$, $EQ = y$, and $QD = 14$. Find all the unknown segment lengths.

12. GIVEN: $\overrightarrow{OT}$ is tangent to both circles at T.
PROVE: $OP \cdot OQ = OR \cdot OS$

Statements	Reasons