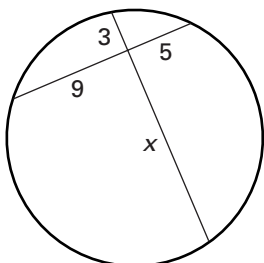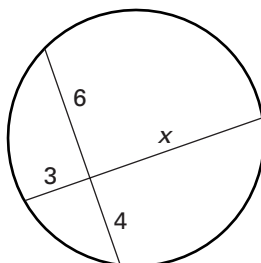NAME _____ DATE _____

Practice A

For use with pages 629–635

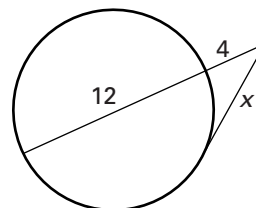**Fill in the blanks. Then find the value of *x*.**

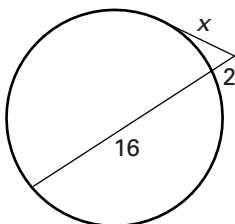**1.** $x \cdot \underline{\ ?\ } = 5 \cdot \underline{\ ?\ }$
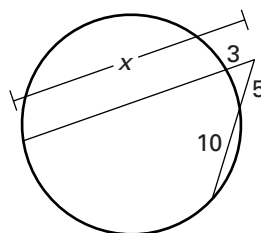
2. $6 \cdot \underline{\ ?\ } = 3 \cdot \underline{\ ?\ }$

3. $x^2 = 4 \cdot \underline{\ ?\ }$

4. $x^2 = 2 \cdot \underline{\ ?\ }$

5. $3 \cdot \underline{\ ?\ } = 5 \cdot \underline{\ ?\ }$

6. $3 \cdot \underline{\ ?\ } = 4 \cdot \underline{\ ?\ }$
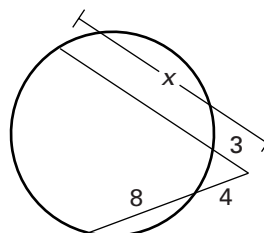
Find the value of *x*.

7.

8.

9.
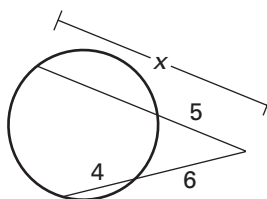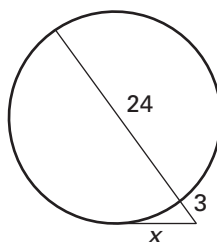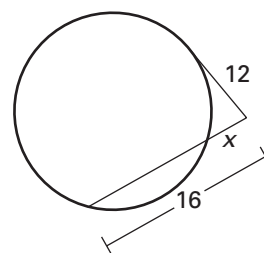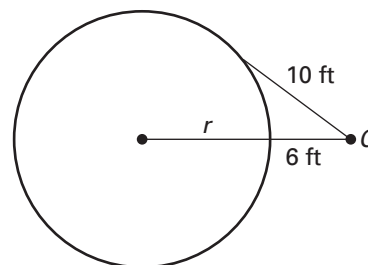
10.

11.

12.
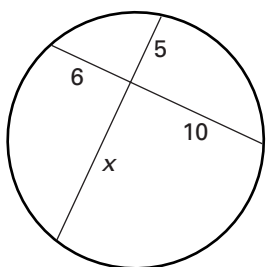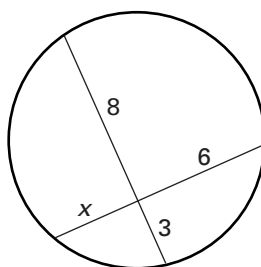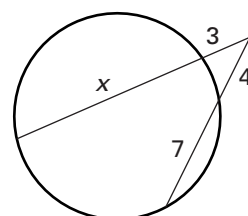
Use the diagram at the right and the given information.

13. *Water Tank*   You want to estimate the radius of the town's circular water tank. You stand at point *C*, about 6 feet from the circular tank. The distance from you to a point of tangency on the tank is about 10 feet. Estimate the radius of the tank.
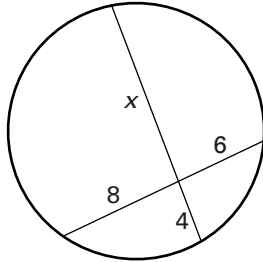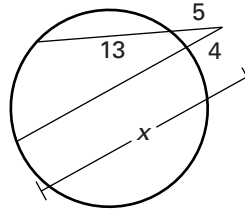
Practice B

For use with pages 629–635

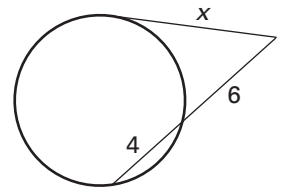**Fill in the blanks. Then find the value of *x*.**

1. $x \cdot \underline{\ ?\ } = 8 \cdot \underline{\ ?\ }$

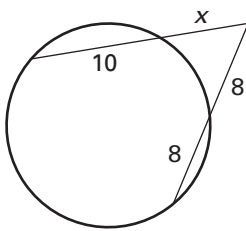**2.** $4 \cdot \underline{\ ?\ } = 5 \cdot \underline{\ ?\ }$
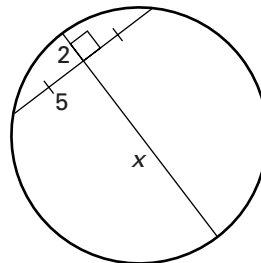
3. $x^2 = 6 \cdot \underline{\ ?\ }$

Find the value of *x*. Round to the nearest tenth, if necessary.

4.
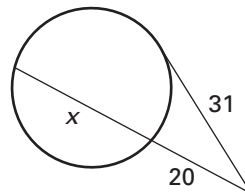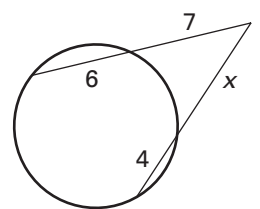
5.

6.

7.

8.

9.

10.

11.

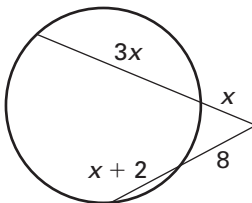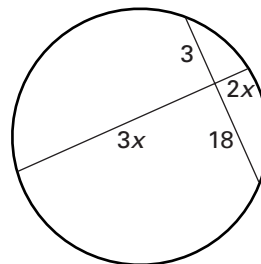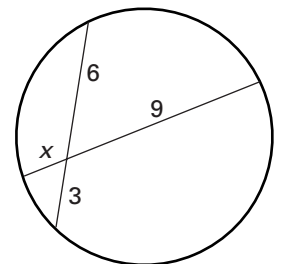**12.**
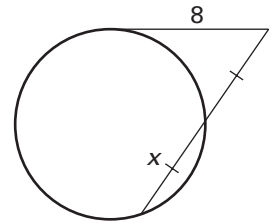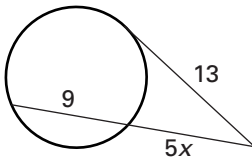
Use the diagram at the right and the given information.

13. *Doorway* An arch over a doorway is 160 centimeters wide and 50 centimeters high. You want to determine the radius of the circle that contains the arch. Follow the steps below.

    a. $AB = \underline{\ ?\ }$

    b. $AC = \underline{\ ?\ }, AD = \underline{\ ?\ }$

    c. $EA = \underline{\ ?\ }$

    d. $EB = \underline{\ ?\ }$

    e. $EO = \underline{\ ?\ }$