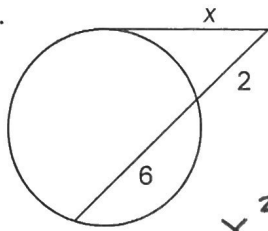


9.



$$x^2 = 2(6+2)$$

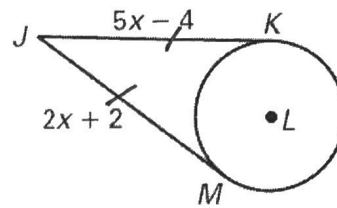
$$x^2 = 2(8)$$

$$x^2 = 16$$

$$\boxed{x = 4}$$

↓ Surprise tangent question 😊

10.



$$5x-4 = 2x+2$$

$$\begin{array}{r} -2x \\ \hline 3x-4 = 2 \end{array}$$

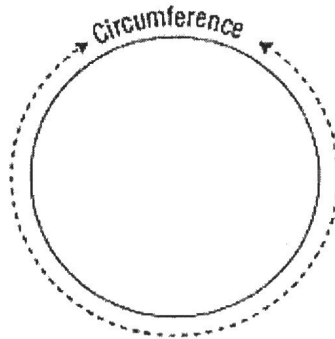
$$\begin{array}{r} +4 \quad +4 \\ \hline 3x = 6 \end{array}$$

$$\frac{3x}{3} = \frac{6}{3}$$

$$\boxed{x = 2}$$

Arc Length

In 7th grade, you learned how to calculate the circumference of a circle. You also learned that the circumference of a circle divided by the diameter is equal to pi. The circumference of a circle is the distance around the circle.



Circumference

$$C = 2\pi r \quad \text{or} \quad C = \pi d$$

Practice reviewing how to calculate the circumference or radius/diameter of a circle below. Leave your answers in terms of pi. Find the circumference, radius, or diameter.

A. $r = 6$ ft

B. $d = 15$ in

C. $C = 16\pi$ cm

D. $C = 40\pi$ m