

7.1 Perimeter Part 2

A) radius 12 feet

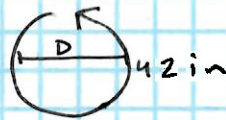
Diameter? $D = 2r$ $D = 2(12)$ $D = 24 \text{ ft}$

Circumference? $C = 2\pi r$
or
 $C = \pi D$ $C = 75.40 \text{ ft}$

B) diameter 8 meters

Circumference? $C = \pi D$
 $C = \pi(8)$ $C = 25.13 \text{ m}$

c) Circumference 42 inches.



Diameter?

$$C = \pi D$$

$$\frac{42}{\pi} = \frac{\pi D}{\pi}$$

$$\frac{42}{\pi} = D$$
 $D = 13.37 \text{ in}$