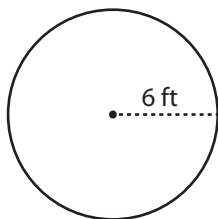


Circle - Area

Example :



$$\text{Area of a circle} = \pi r^2$$

$$\text{Radius } (r) = 6 \text{ ft}$$

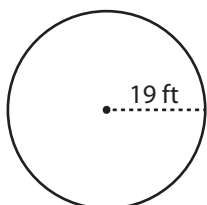
$$\text{Area} = \pi r^2$$

$$= \pi \times 6 \times 6$$

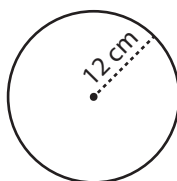
$$\text{Area} = \mathbf{36\pi \text{ ft}^2}$$

Find the exact area of each circle.

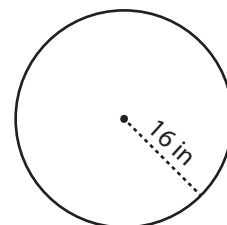
1)

Area =

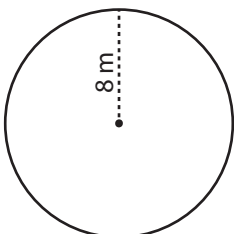
2)

Area =

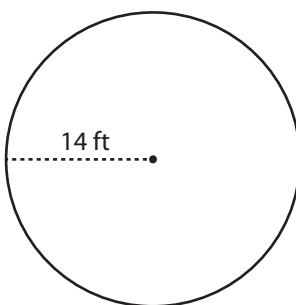
3)

Area =

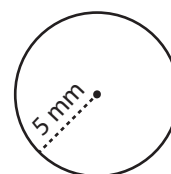
4)

Area =

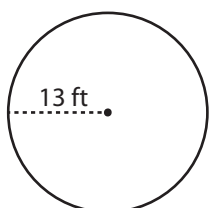
5)

Area =

6)

Area =

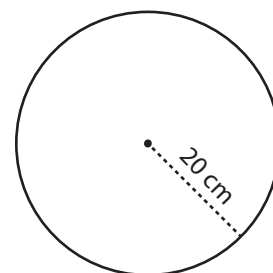
7)

Area =

8)

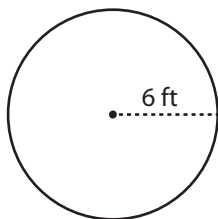
Area =

9)

Area =

Answer Key

Example :

**Area of a circle = πr^2**

Radius (r) = 6 ft

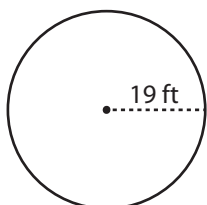
Area = πr^2

= $\pi \times 6 \times 6$

Area = **$36\pi \text{ ft}^2$**

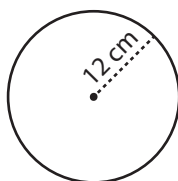
Find the exact area of each circle.

1)



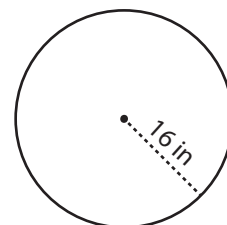
Area = **$361\pi \text{ ft}^2$**

2)



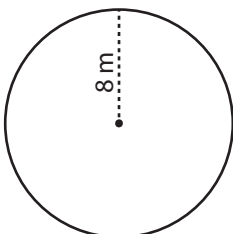
Area = **$144\pi \text{ cm}^2$**

3)



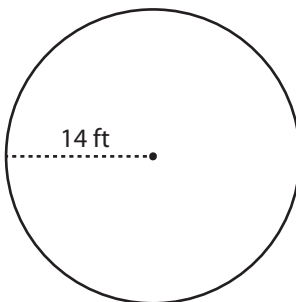
Area = **$256\pi \text{ in}^2$**

4)



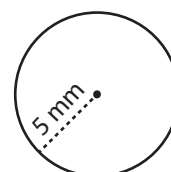
Area = **$64\pi \text{ m}^2$**

5)



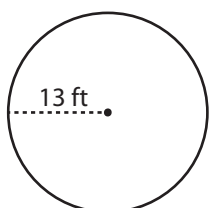
Area = **$196\pi \text{ ft}^2$**

6)



Area = **$25\pi \text{ mm}^2$**

7)



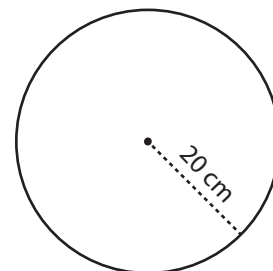
Area = **$169\pi \text{ ft}^2$**

8)



Area = **$289\pi \text{ m}^2$**

9)



Area = **$400\pi \text{ cm}^2$**