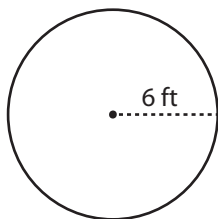


### Circle - Area

Example :



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

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

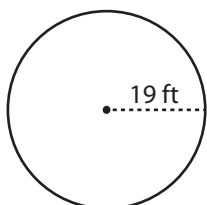
$$\text{Area} = \pi r^2$$

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

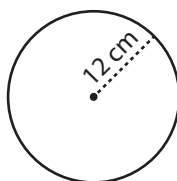
$$\text{Area} = \mathbf{36\pi \text{ ft}^2}$$

Find the exact area of each circle.

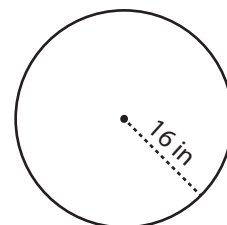
1)

Area = 

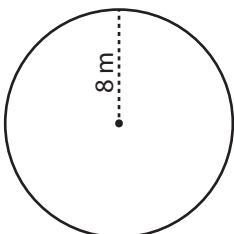
2)

Area = 

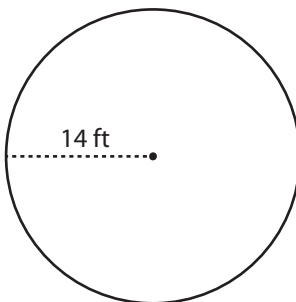
3)

Area = 

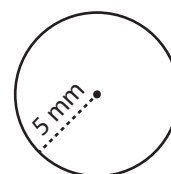
4)

Area = 

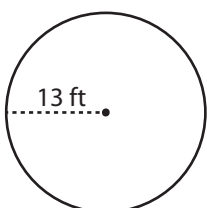
5)

Area = 

6)

Area = 

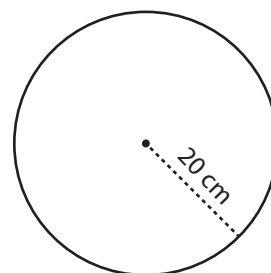
7)

Area = 

8)

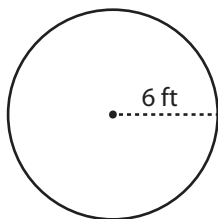
Area = 

9)

Area =

**Answer Key**

Example :

**Area of a circle =  $\pi r^2$** Radius ( $r$ ) = 6 ft

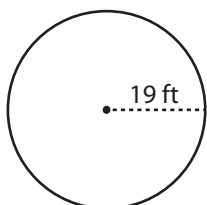
Area =  $\pi r^2$

=  $\pi \times 6 \times 6$

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

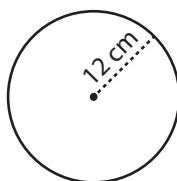
Find the exact area of each circle.

1)



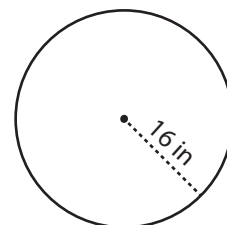
Area =  **$361\pi \text{ ft}^2$**

2)



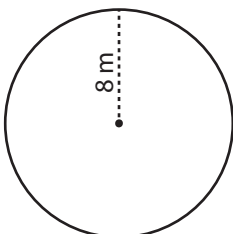
Area =  **$144\pi \text{ cm}^2$**

3)



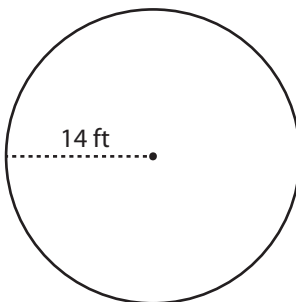
Area =  **$256\pi \text{ in}^2$**

4)



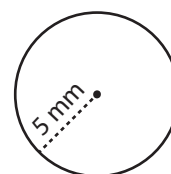
Area =  **$64\pi \text{ m}^2$**

5)



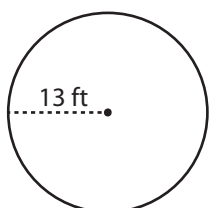
Area =  **$196\pi \text{ ft}^2$**

6)



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

7)



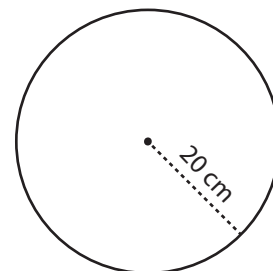
Area =  **$169\pi \text{ ft}^2$**

8)



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

9)



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