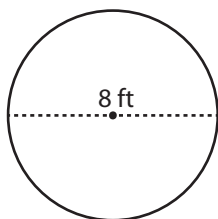


## Circle - Area

Diameter Easy: S1

Example :



**Area of a circle =  $\pi r^2$**

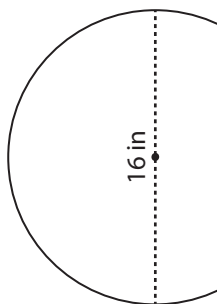
Diameter = 8 ft

Radius (r) = 4 ft

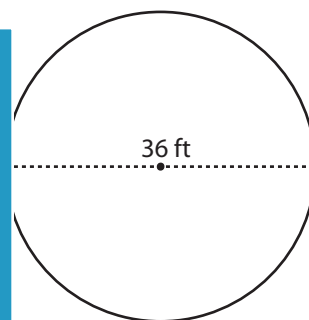
Area =  $\pi r^2$ =  $\pi \times 4 \times 4$ Area =  **$16\pi \text{ ft}^2$** 

Find the exact area of each circle.

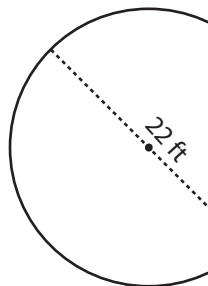
1)

Area = 

2)

Area = 

4)

Area = 

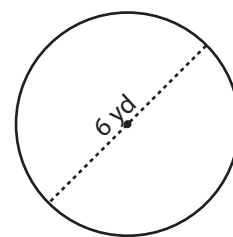
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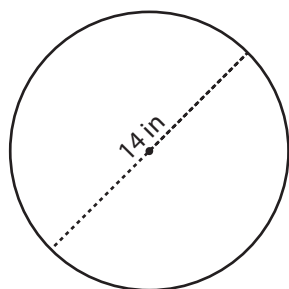
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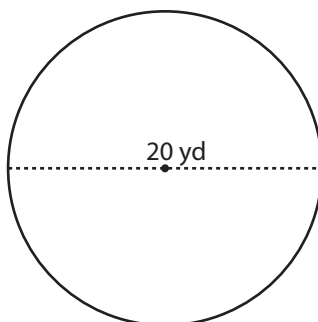
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Area = 

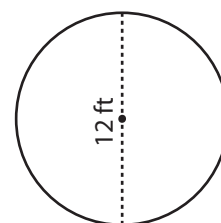
7)

Area = 

8)

Area = 

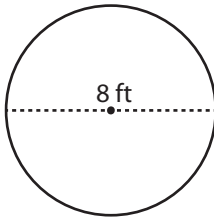
9)

Area =

**Answer Key****Circle - Area**

Diameter Easy: S1

Example :



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

$$\text{Diameter} = 8 \text{ ft}$$

$$\text{Radius (r)} = 4 \text{ ft}$$

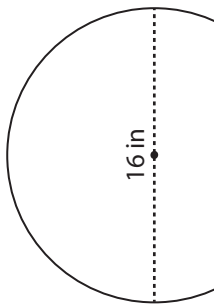
$$\text{Area} = \pi r^2$$

$$= \pi \times 4 \times 4$$

$$\text{Area} = \mathbf{16\pi \text{ ft}^2}$$

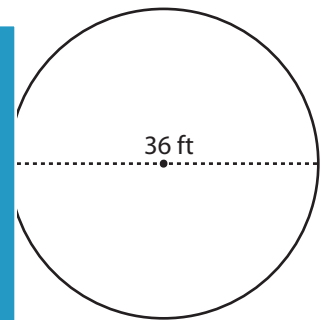
Find the exact area of each circle.

1)



$$\text{Area} = \mathbf{64\pi \text{ in}^2}$$

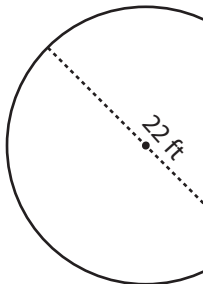
2)



$$\text{Area} = \mathbf{324\pi \text{ ft}^2}$$

3)

4)



$$\text{Area} = \mathbf{121\pi \text{ ft}^2}$$

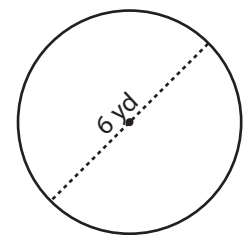
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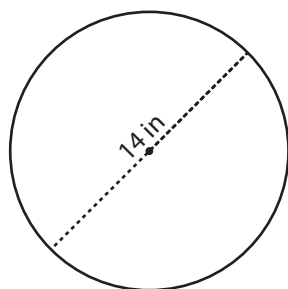
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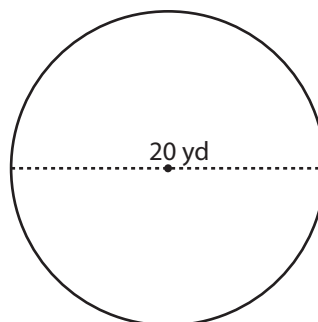
$$\text{Area} = \mathbf{9\pi \text{ yd}^2}$$

7)



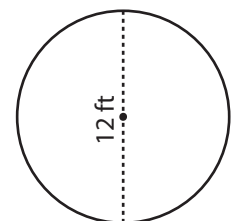
$$\text{Area} = \mathbf{49\pi \text{ in}^2}$$

8)



$$\text{Area} = \mathbf{100\pi \text{ yd}^2}$$

9)



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