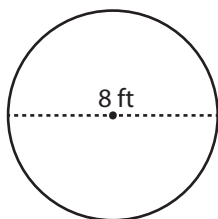


Name : \_\_\_\_\_

## Circle - Area

Diameter: ES1

Example :



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

Diameter = 8 ft

Radius (r) = 4 ft

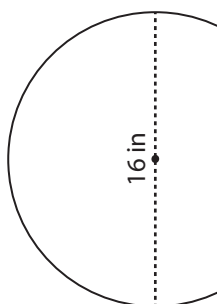
Area =  $\pi r^2$

=  $\pi \times 4 \times 4$

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

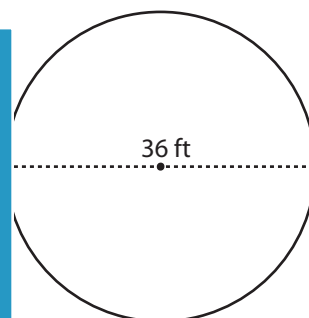
Find the area of each circle in terms of  $\pi$ .

1)



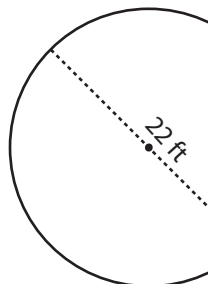
Area =

2)



Area =

4)



Area =

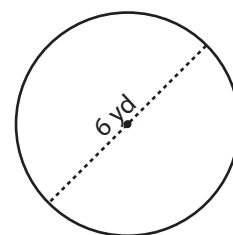
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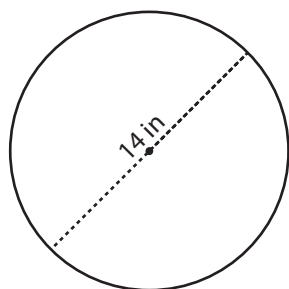
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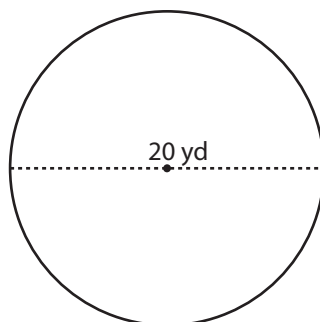
Area =

7)



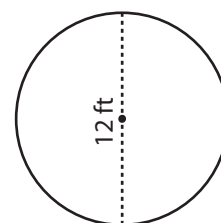
Area =

8)



Area =

9)



Area =

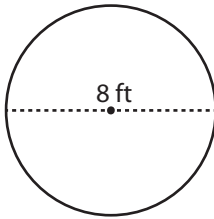
Name : \_\_\_\_\_

## Answer key

### Circle - Area

Diameter: ES1

Example :



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

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

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

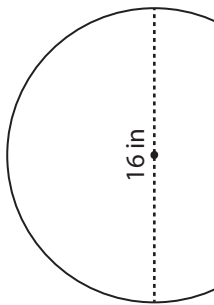
$$\text{Area} = \pi r^2$$

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

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

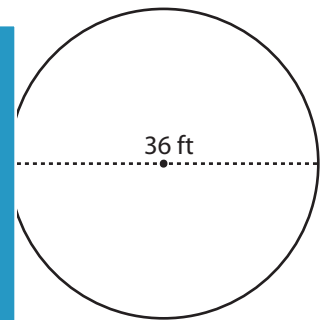
Find the area of each circle in terms of  $\pi$ .

1)



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

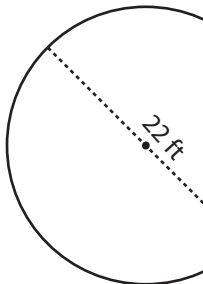
2)



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

3)

4)



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

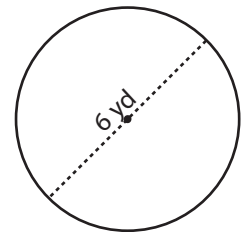
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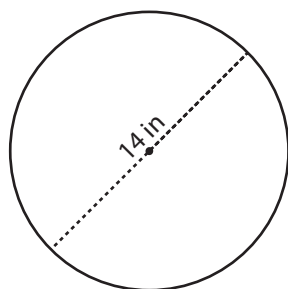
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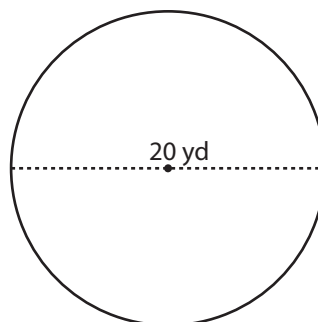
Area =  $9\pi \text{ yd}^2$

7)



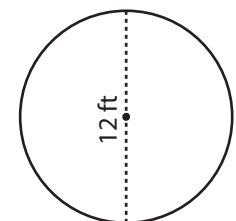
Area =  $49\pi \text{ in}^2$

8)



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

9)



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