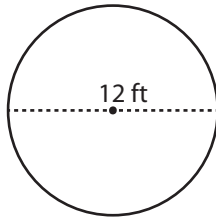


Name : \_\_\_\_\_

# Circle - Area

Diameter: ES2

Example :



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

$$\text{Diameter} = 12 \text{ ft}$$

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

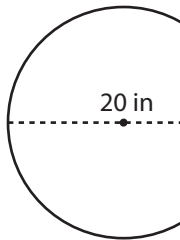
$$\text{Area} = \pi r^2$$

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

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

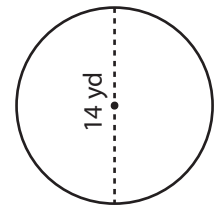
Find the area of each circle in terms of  $\pi$ .

1)



Area =

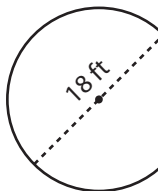
2)



Area =

3)

4)



Area =

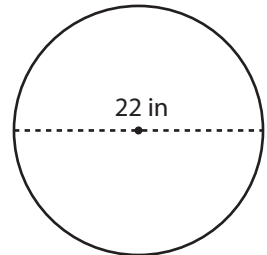
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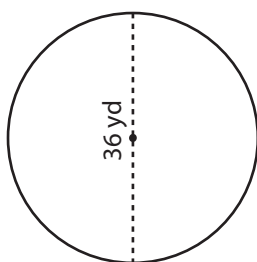
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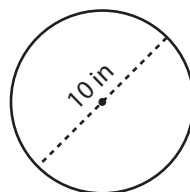
Area =

7)



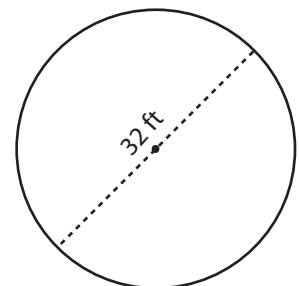
Area =

8)



Area =

9)



Area =

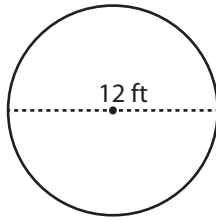
Name : \_\_\_\_\_

## Answer key

### Circle - Area

Diameter: ES2

Example :



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

$$\text{Diameter} = 12 \text{ ft}$$

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

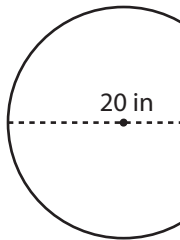
$$\text{Area} = \pi r^2$$

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

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

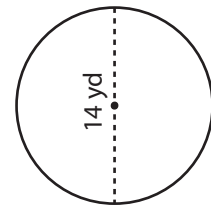
Find the area of each circle in terms of  $\pi$ .

1)



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

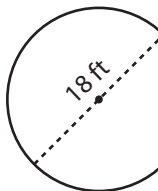
2)



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

3)

4)



Area =  $\mathbf{81\pi \text{ ft}^2}$

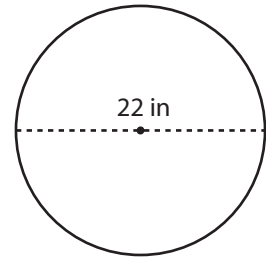
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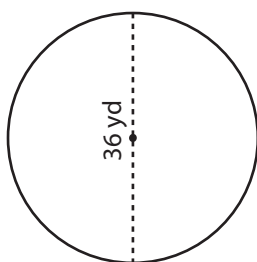
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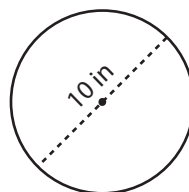
Area =  $\mathbf{121\pi \text{ in}^2}$

7)



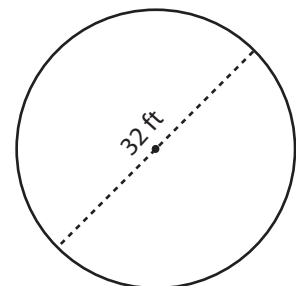
Area =  $\mathbf{324\pi \text{ yd}^2}$

8)



Area =  $\mathbf{25\pi \text{ in}^2}$

9)



Area =  $\mathbf{256\pi \text{ ft}^2}$