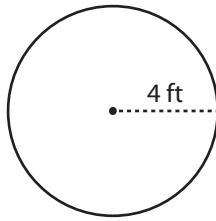


Name : _____

Circle - Area

Radius: ES1

Example :



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

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

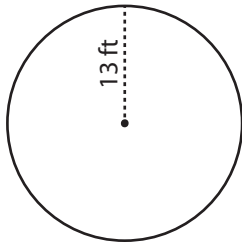
$$\text{Area} = \pi r^2$$

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

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

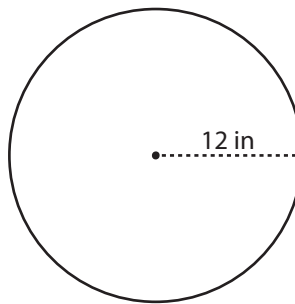
Find the area of each circle in terms of π .

1)



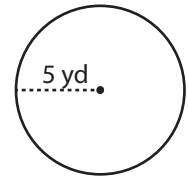
Area =

2)



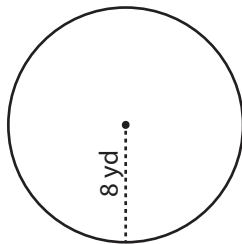
Area =

3)



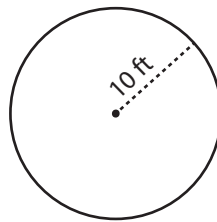
Area =

4)



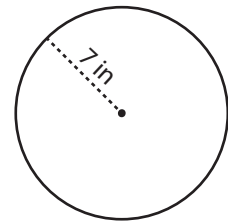
Area =

5)



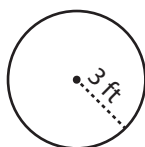
Area =

6)



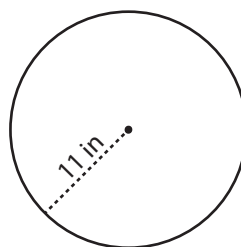
Area =

7)



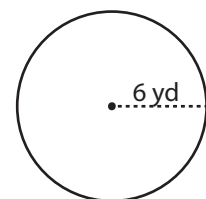
Area =

8)



Area =

9)



Area =

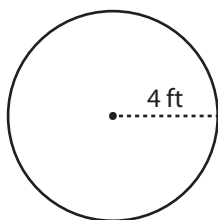
Name : _____

Answer key

Circle - Area

Radius: ES1

Example :



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

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

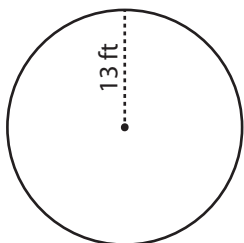
$$\text{Area} = \pi r^2$$

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

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

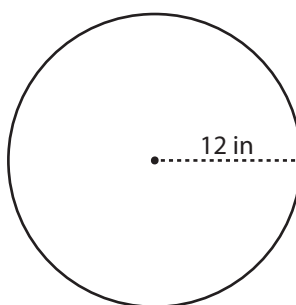
Find the area of each circle in terms of π .

1)



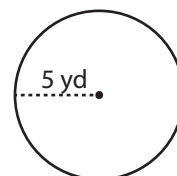
$$\text{Area} = \mathbf{169\pi \text{ ft}^2}$$

2)



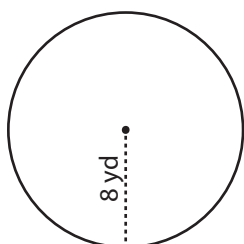
$$\text{Area} = \mathbf{144\pi \text{ in}^2}$$

3)



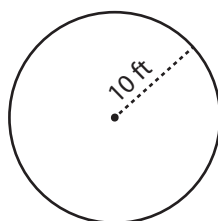
$$\text{Area} = \mathbf{25\pi \text{ yd}^2}$$

4)



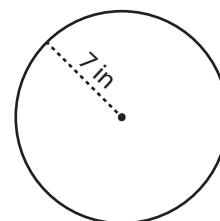
$$\text{Area} = \mathbf{64\pi \text{ yd}^2}$$

5)



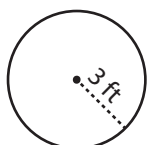
$$\text{Area} = \mathbf{100\pi \text{ ft}^2}$$

6)



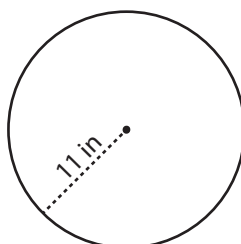
$$\text{Area} = \mathbf{49\pi \text{ in}^2}$$

7)



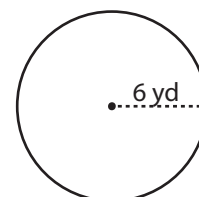
$$\text{Area} = \mathbf{9\pi \text{ ft}^2}$$

8)



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

9)



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