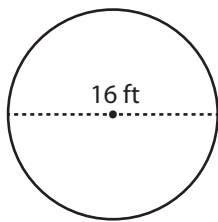


Name : _____

Circle - Area

Diameter: ES3

Example :



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

$$\text{Diameter} = 16 \text{ ft}$$

$$\text{Radius } (r) = 8 \text{ ft}$$

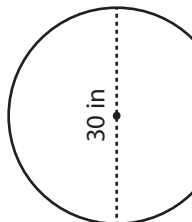
$$\text{Area} = \pi r^2$$

$$= \pi \times 8 \times 8$$

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

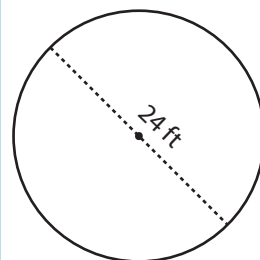
Find the area of each circle in terms of π .

1)



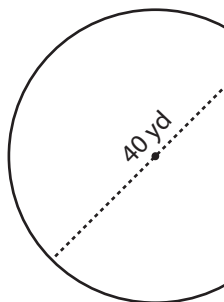
Area =

2)



Area =

4)



Area =

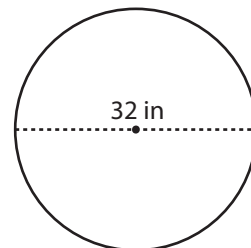
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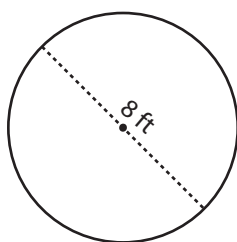
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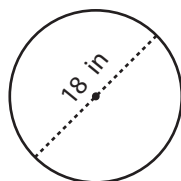
Area =

7)



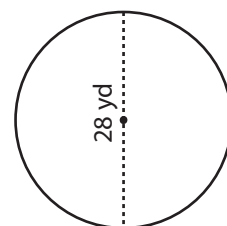
Area =

8)



Area =

9)



Area =

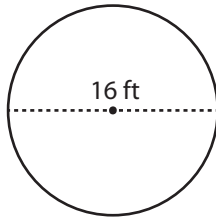
Name : _____

Answer key

Circle - Area

Diameter: ES3

Example :



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

$$\text{Diameter} = 16 \text{ ft}$$

$$\text{Radius (r)} = 8 \text{ ft}$$

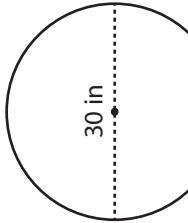
$$\text{Area} = \pi r^2$$

$$= \pi \times 8 \times 8$$

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

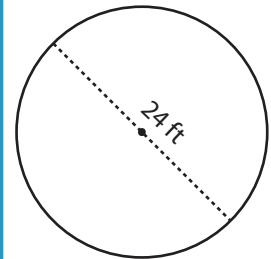
Find the area of each circle in terms of π .

1)



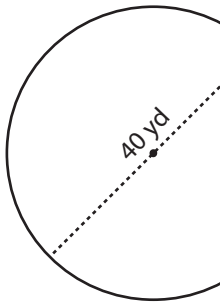
$$\text{Area} = \mathbf{225\pi \text{ in}^2}$$

2)



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

4)



$$\text{Area} = \mathbf{400\pi \text{ yd}^2}$$

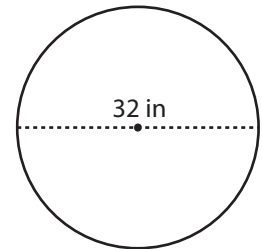
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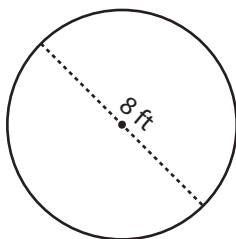
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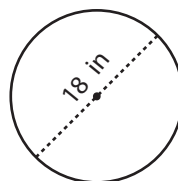
$$\text{Area} = \mathbf{256\pi \text{ in}^2}$$

7)



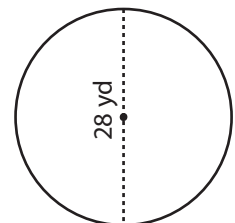
$$\text{Area} = \mathbf{16\pi \text{ ft}^2}$$

8)



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

9)



$$\text{Area} = \mathbf{196\pi \text{ yd}^2}$$