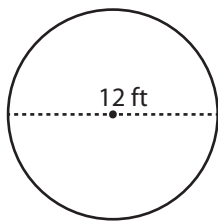


Circle - Area

Diameter Easy: S2

Example :

**Area of a circle = πr^2**

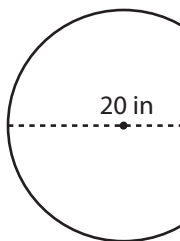
Diameter = 12 ft

Radius (r) = 6 ft

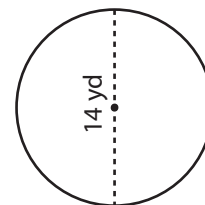
Area = πr^2 = $\pi \times 6 \times 6$ Area = **$36\pi \text{ ft}^2$**

Find the exact area of each circle.

1)

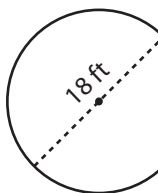
Area =

2)

Area =

3)

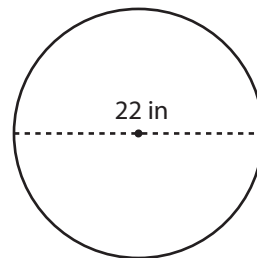
4)

Area = **PREVIEW**

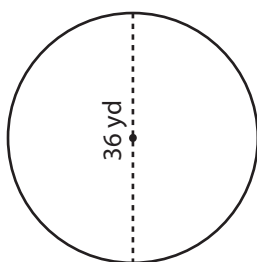
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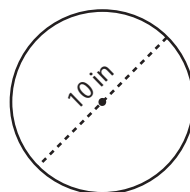
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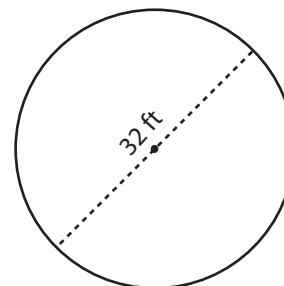
7)

Area =

8)

Area =

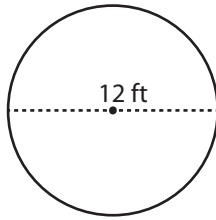
9)

Area =

Answer Key**Circle - Area**

Diameter Easy: S2

Example :



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

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

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

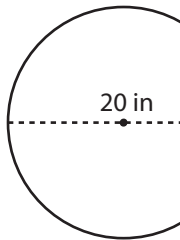
$$\text{Area} = \pi r^2$$

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

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

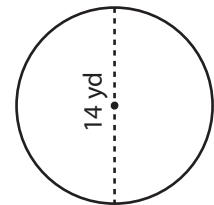
Find the exact area of each circle.

1)



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

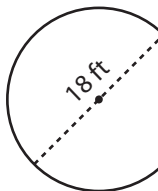
2)



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

3)

4)



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

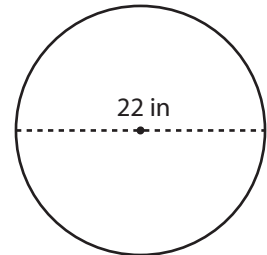
PREVIEW

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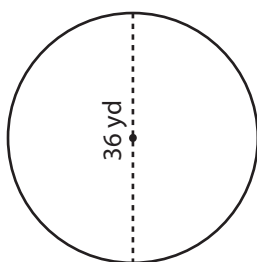
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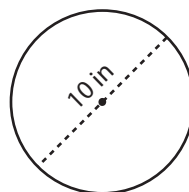
$$\text{Area} = \mathbf{121\pi \text{ in}^2}$$

7)



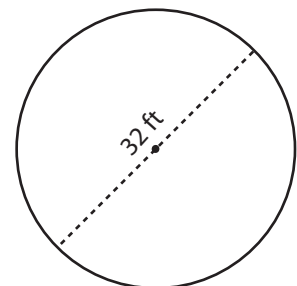
$$\text{Area} = \mathbf{324\pi \text{ yd}^2}$$

8)



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

9)



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