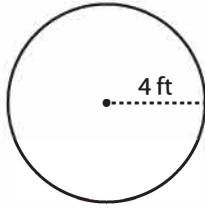


Name : _____

Circle - Area

Example :



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

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

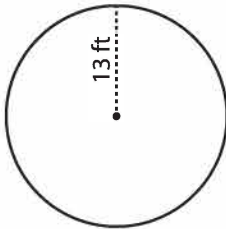
$$\text{Area} = \pi r^2$$

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

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

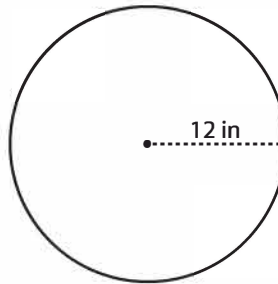
Find the exact area of each circle.

1)



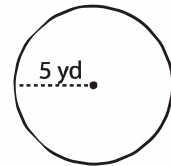
Area =

2)



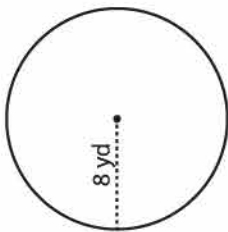
Area =

3)



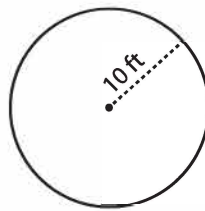
Area =

4)



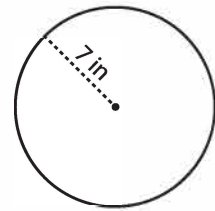
Area =

5)



Area =

6)



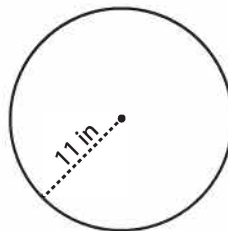
Area =

7)



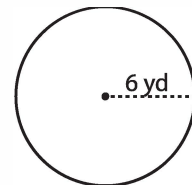
Area =

8)



Area =

9)

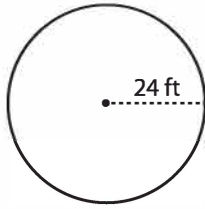


Area =

Name : _____

Circle - Area

Example :



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

$$\text{Radius } (r) = 24 \text{ ft}$$

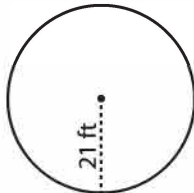
$$\text{Area} = \pi r^2$$

$$= 3.14 \times 24 \times 24$$

$$\text{Area} = \mathbf{1808.6 \text{ ft}^2}$$

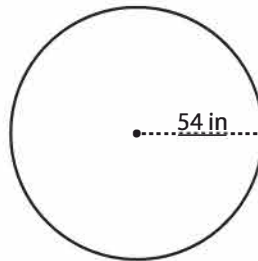
Find the area of each circle. Round the answer to tenth decimal place. (use $\pi = 3.14$)

1)



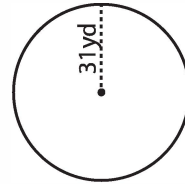
Area =

2)



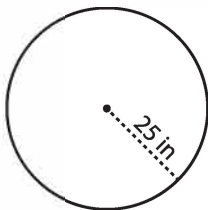
Area =

3)



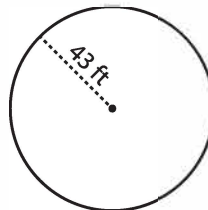
Area =

4)



Area =

5)



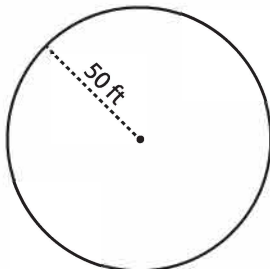
Area =

6)



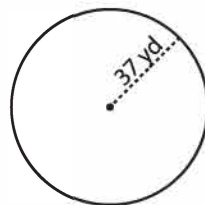
Area =

7)



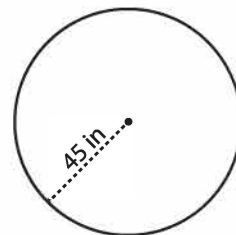
Area =

8)



Area =

9)

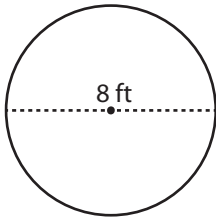


Area =

Name : _____

Circle - Area

Example :



Area of a circle = πr^2

Diameter = 8 ft

Radius (r) = 4 ft

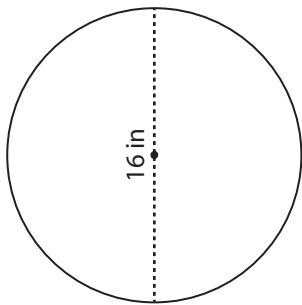
Area = πr^2

= $\pi \times 4 \times 4$

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

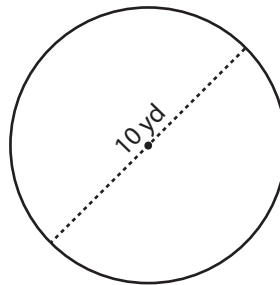
Find the exact area of each circle.

1)



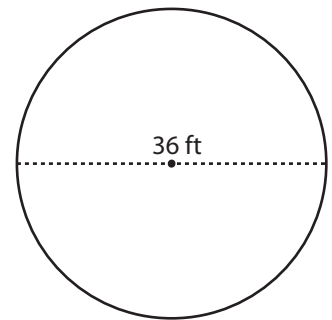
Area =

2)



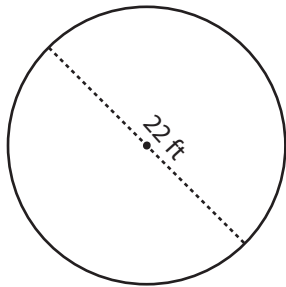
Area =

3)



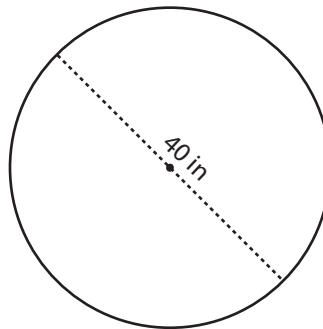
Area =

4)



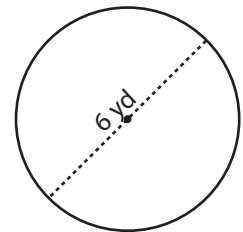
Area =

5)



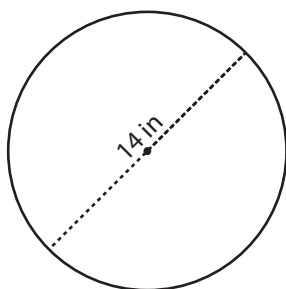
Area =

6)



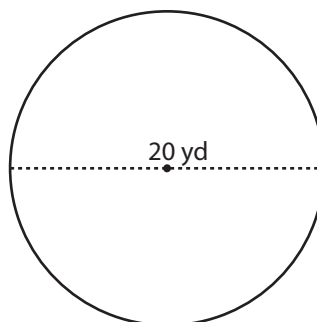
Area =

7)



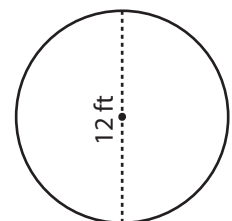
Area =

8)



Area =

9)

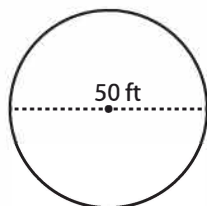


Area =

Name : _____

Circle - Area

Example :



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

$$\text{Diameter} = 50 \text{ ft}$$

$$\text{Radius } (r) = 25 \text{ ft}$$

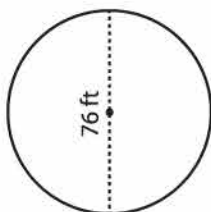
$$\text{Area} = \pi r^2$$

$$= 3.14 \times 25 \times 25$$

$$\text{Area} = \mathbf{1962.5 \text{ ft}^2}$$

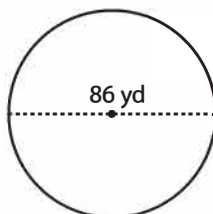
Find the area of each circle. Round the answer to tenth decimal place. (use $\pi = 3.14$)

1)



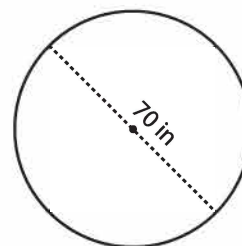
Area =

2)



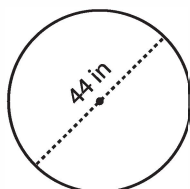
Area =

3)



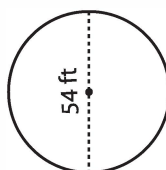
Area =

4)



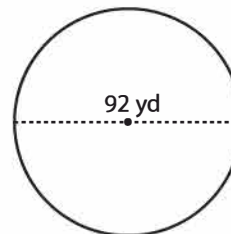
Area =

5)



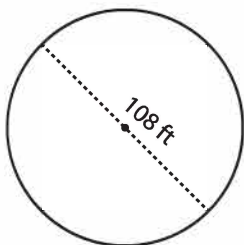
Area =

6)



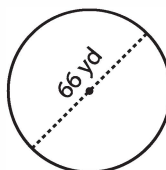
Area =

7)



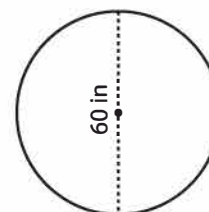
Area =

8)



Area =

9)



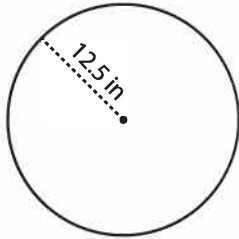
Area =

Name : _____

Circle - Area

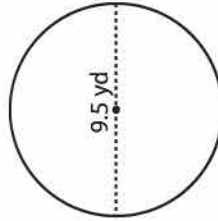
Find the area of each circle. Round the answer to two decimal places. (use $\pi = 3.14$)

1)



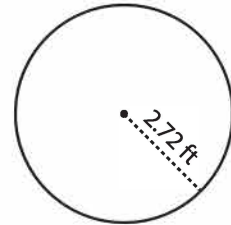
Area =

2)



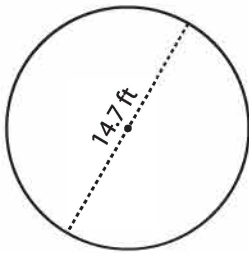
Area =

3)



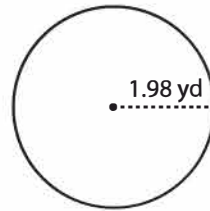
Area =

4)



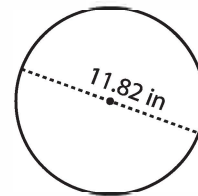
Area =

5)



Area =

6)



Area =

7) If the radius is 3.82 ft, what will be the area of the circle?

- a) 45.82 ft² b) 11.46 ft² c) 23.99 ft² d) 11.99 ft²

8) What is the area of the circle with a diameter of 19.74 yd?

- a) 308.37 yd² b) 305.89 yd² c) 124.47 yd² d) 62.23 yd²

9) A horse is tethered to a peg at the center of the field. If the length of the rope is 18.3 ft, what will be the maximum area the horse can graze?

Area = _____

