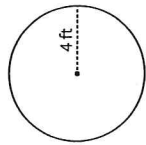


Circle - Area

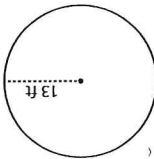
Example:



Area of a circle = πr^2
 Radius (r) = 4 ft
 Area = πr^2
 = $\pi \times 4 \times 4$
 Area = $16\pi \text{ ft}^2$

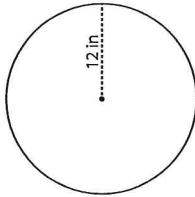
Find the exact area of each circle.

1)



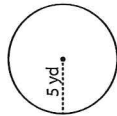
Area =

2)



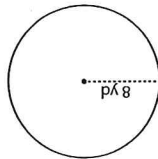
Area =

3)



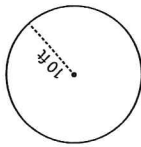
Area =

4)



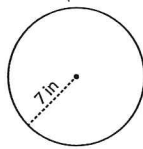
Area =

5)



Area =

6)



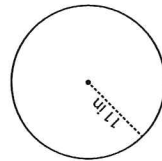
Area =

7)



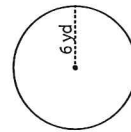
Area =

8)



Area =

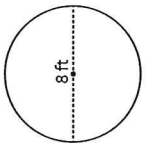
9)



Area =

Circle - Area

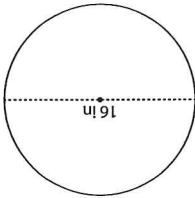
Example:



Area of a circle = πr^2
 Diameter = 8 ft
 Radius (r) = 4 ft
 Area = πr^2
 = $\pi \times 4 \times 4$
 Area = $16\pi \text{ ft}^2$

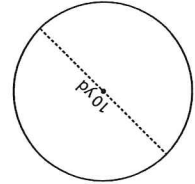
Find the exact area of each circle.

1)



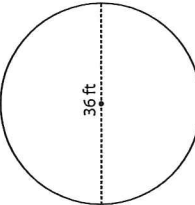
Area =

2)



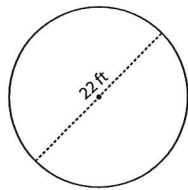
Area =

3)



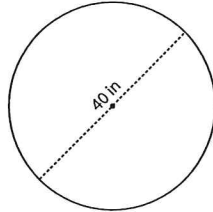
Area =

4)



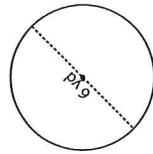
Area =

5)



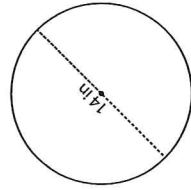
Area =

6)



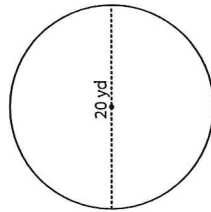
Area =

7)



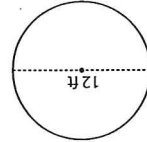
Area =

8)



Area =

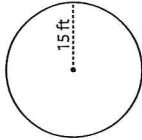
9)



Area =

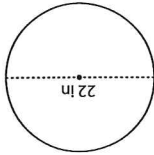
Find the exact area of each circle.

1)



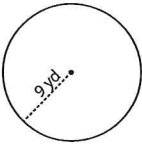
Area =

2)



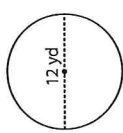
Area =

3)



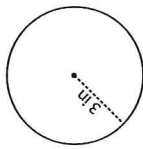
Area =

4)



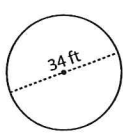
Area =

5)



Area =

6)



Area =

7) If the radius is 10 ft, what will be the area of the circle?

- a) $100\pi \text{ ft}^2$ b) $400\pi \text{ ft}^2$ c) $25\pi \text{ ft}^2$ d) $2\pi \text{ ft}^2$

8) What is the area of a circle with a diameter of 16 in?

- a) $256\pi \text{ in}^2$ b) $64\pi \text{ in}^2$ c) $32\pi \text{ in}^2$ d) $16\pi \text{ in}^2$

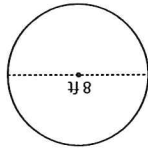
9) A cow is tethered with a rope 20 ft long. What is the maximum area the cow can graze?



Area =

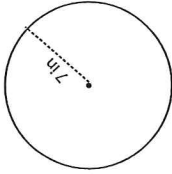
Find the exact area and circumference of each circle.

1)



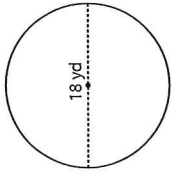
Radius = _____
Diameter = _____
Area = _____
Circumference = _____

2)



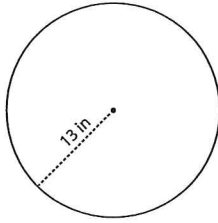
Radius = _____
Diameter = _____
Area = _____
Circumference = _____

3)



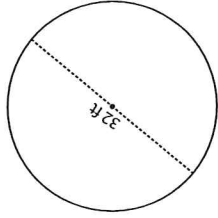
Radius = _____
Diameter = _____
Area = _____
Circumference = _____

4)



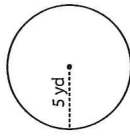
Radius = _____
Diameter = _____
Area = _____
Circumference = _____

5)



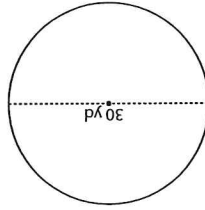
Radius = _____
Diameter = _____
Area = _____
Circumference = _____

6)



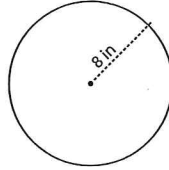
Radius = _____
Diameter = _____
Area = _____
Circumference = _____

7)



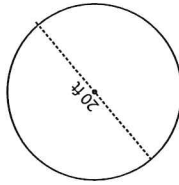
Radius = _____
Diameter = _____
Area = _____
Circumference = _____

8)



Radius = _____
Diameter = _____
Area = _____
Circumference = _____

9)



Radius = _____
Diameter = _____
Area = _____
Circumference = _____