

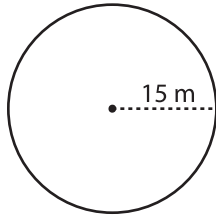
Name : \_\_\_\_\_

## Circle - Area

Radius/Diameter: ES1

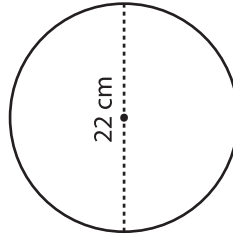
Find the area of each circle in terms of  $\pi$ .

1)



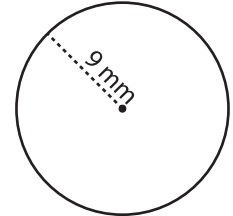
Area =

2)



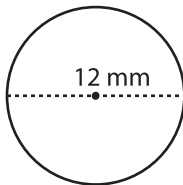
Area =

3)



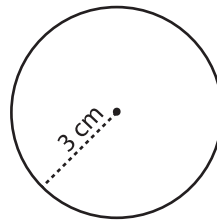
Area =

4)



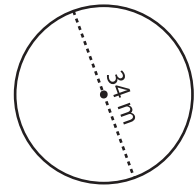
Area =

5)



Area =

6)



Area =

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

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

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

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

9) A cow is tethered with a rope 20 m long. What is the maximum area the cow can graze? Express your answer in terms of  $\pi$ .

Area = \_\_\_\_\_

