

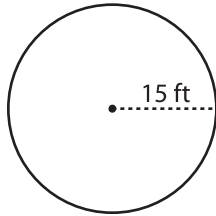
Name : _____

Circle - Area

Radius/Diameter: ES1

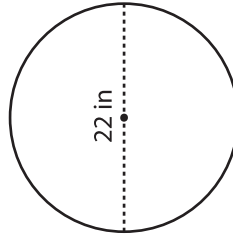
Find the area of each circle in terms of π .

1)



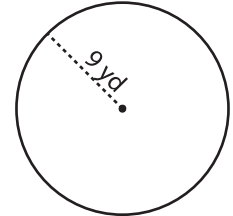
Area =

2)



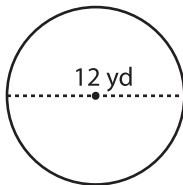
Area =

3)



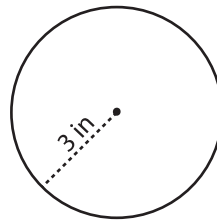
Area =

4)



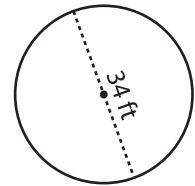
Area =

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? Express your answer in terms of π .

Area = _____

