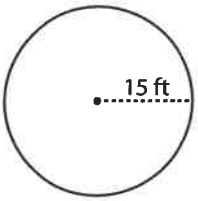
Name : _____ Score : _____

Circle - Area

Radius/Diameter Easy: S1

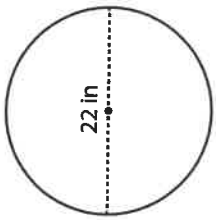
Find the exact area of each circle.

1)



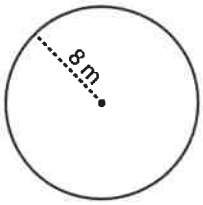
Area = ⬚

2)



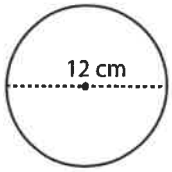
Area = ⬚

3)



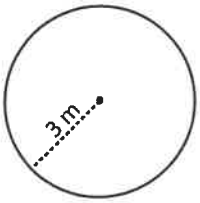
Area = ⬚

4)



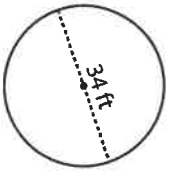
Area = ⬚

5)



Area = ⬚

6)



Area = ⬚

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

a) 100π cm^2 b) 400π cm^2 c) 25π cm^2 d) 20π cm

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

a) 256π ft^2 b) 64π ft^2 c) 32π ft^2 d) 16π ft

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

Area = _____

Name : ANSWER KEY Score : _____

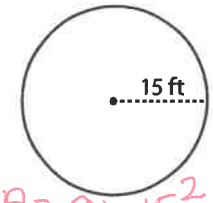
Circle - Area

Radius/Diameter Easy: S1

$A = \pi r^2$

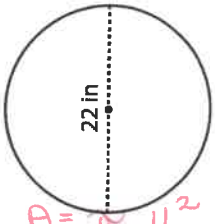
Find the exact area of each circle.

1)



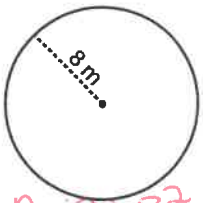
$A = \pi \cdot 15^2$
$A = \pi \cdot 225$
Area = 706.86 ft^2

2)



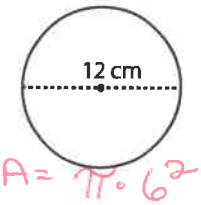
$A = \pi \cdot 11^2$
$A = \pi \cdot 121$
Area = 308.13 in^2

3)



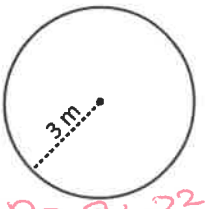
$A = \pi \cdot 8^2$
$A = \pi \cdot 64$
Area = 201.06 m^2

4)



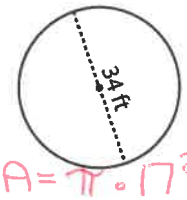
$A = \pi \cdot 6^2$
$A = \pi \cdot 36$
Area = 113.1 cm^2

5)



$A = \pi \cdot 3^2$
$A = \pi \cdot 9$
Area = 28.27 m^2

6)



$A = \pi \cdot 17^2$
$A = \pi \cdot 289$
Area = 907.92 ft^2

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

a) 100π cm^2 b) 400π cm^2 c) 25π cm^2 d) 20π cm

$A = \pi \cdot 10^2$
$A = \pi \cdot 100$
$A = 100\pi$

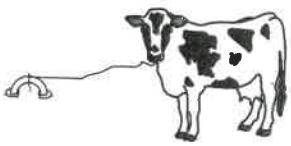
8) What is the area of a circle with a diameter of 16 ft?

a) 256π ft^2 b) 64π ft^2 c) 32π ft^2 d) 16π ft

$A = \pi \cdot 8^2$
$A = \pi \cdot 64$
$A = 64\pi$

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

$A = \pi \cdot 20^2$
$A = \pi \cdot 400$
$A = 1256.64$



Area = 1,256.64 m^2