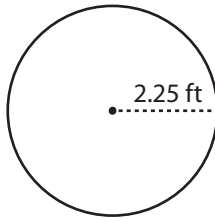


Circle - Area

Radius Difficult: S1

Example :



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

$$\text{Radius } (r) = 2.25 \text{ ft}$$

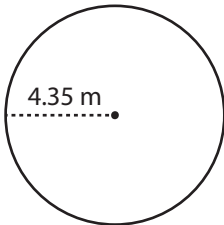
$$\text{Area} = \pi r^2$$

$$= 3.14 \times 2.25 \times 2.25$$

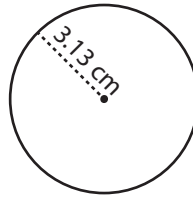
$$\text{Area} = \mathbf{15.90 \text{ ft}^2}$$

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

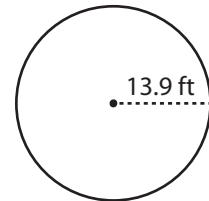
1)

Area =

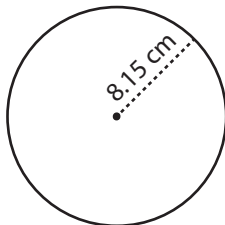
2)

Area =

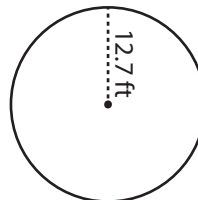
3)

Area =

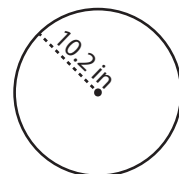
4)

Area =

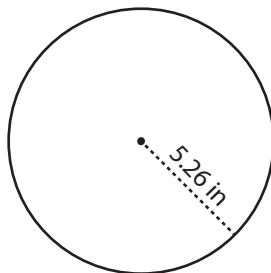
5)

Area =

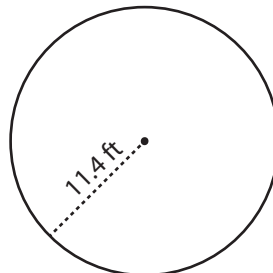
6)

Area =

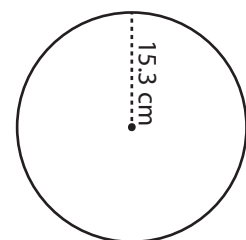
7)

Area =

8)

Area =

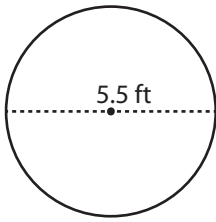
9)

Area =

Circle - Area

Diameter Difficult: S2

Example :

**Area of a circle = πr^2**

Diameter = 5.5 ft

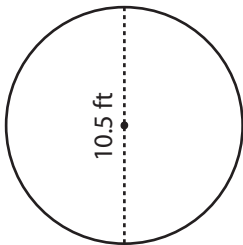
Radius (r) = 2.75 ft

Area = πr^2

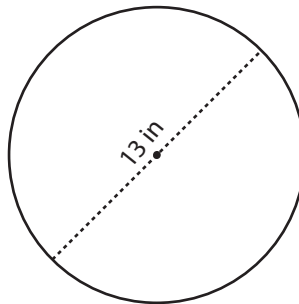
= 3.14 x 2.75 x 2.75

Area = **23.75 ft²**Find the area of each circle. Round the answer to two decimal places. (use $\pi = 3.14$)

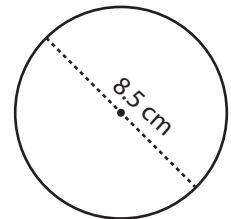
1)

Area =

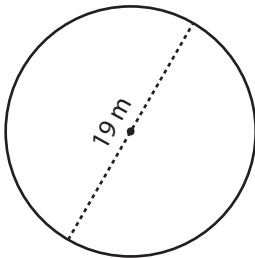
2)

Area =

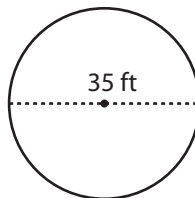
3)

Area =

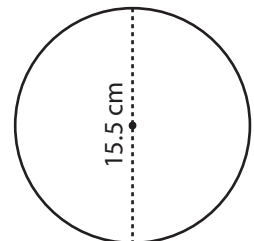
4)

Area =

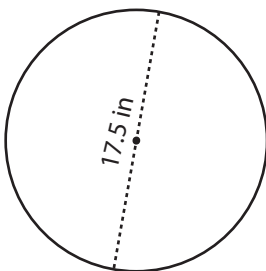
5)

Area =

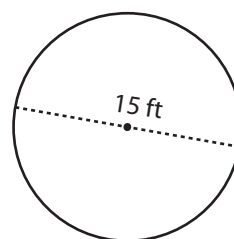
6)

Area =

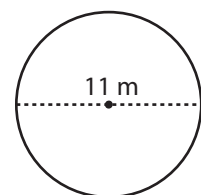
7)

Area =

8)

Area =

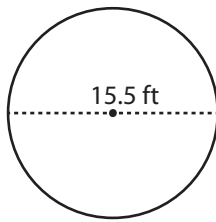
9)

Area =

Circle - Area

Diameter Difficult: S3

Example :

**Area of a circle = πr^2**

Diameter = 15.5 ft

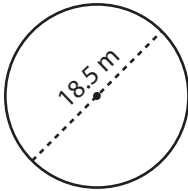
Radius (r) = 7.75 ft

Area = πr^2

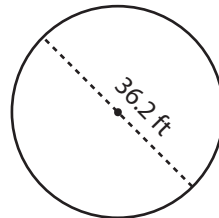
= 3.14 x 7.75 x 7.75

Area = **188.60 ft²**Find the area of each circle. Round the answer to two decimal places. (use $\pi = 3.14$)

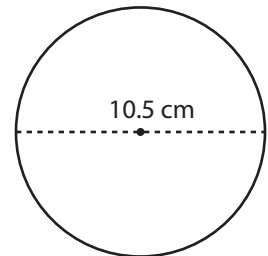
1)

Area =

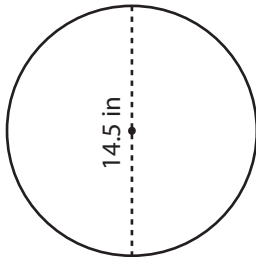
2)

Area =

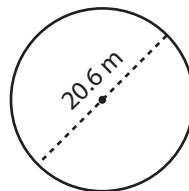
3)

Area =

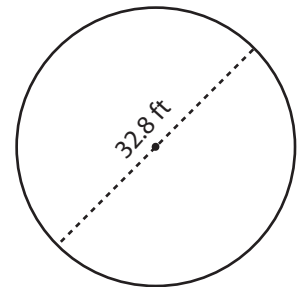
4)

Area =

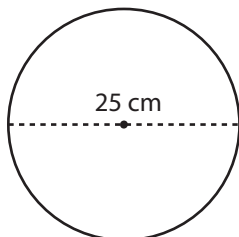
5)

Area =

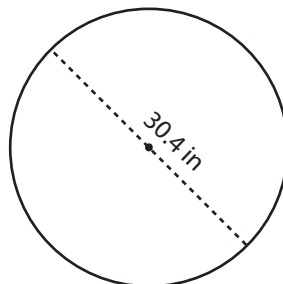
6)

Area =

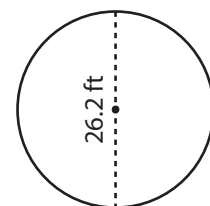
7)

Area =

8)

Area =

9)

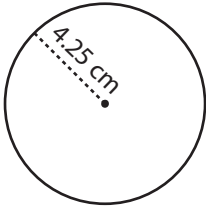
Area =

Circle - Area

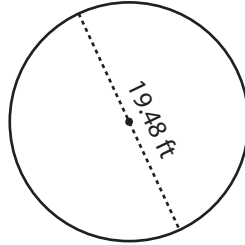
Radius/Diameter Difficult: S3

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

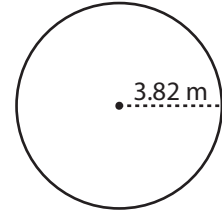
1)

Area =

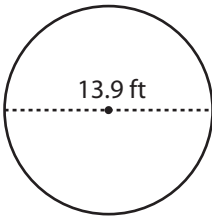
2)

Area =

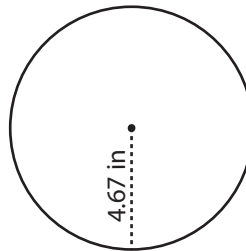
3)

Area =

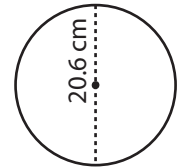
4)

Area =

5)

Area =

6)

Area =

7) If the radius is 5.83 in, what will be the area of the circle?

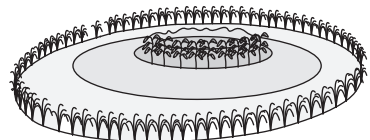
- a) 26.68 in² b) 106.73 in² c) 36.61 ft² d) 18.31 in²

8) What is the area of the circle with a diameter of 16.56 m?

- a) 104 m² b) 861.09 m² c) 215.27 m² d) 52 m²

9) A circular park has a radius of 28.3 yd. Find the area of the circular park.

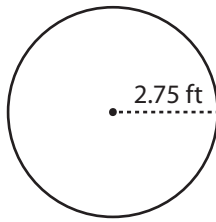
Area = _____



Circle - Area

Radius Difficult: S3

Example :



Area of a circle = πr^2

Radius (r) = 2.75 ft

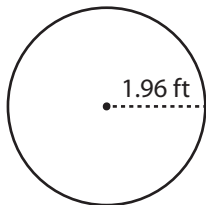
Area = πr^2

= 3.14 x 2.75 x 2.75

Area = **23.75 ft²**

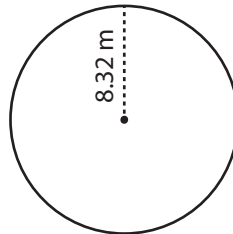
Find the area of each circle. Round the answer to two decimal places. (use $\pi = 3.14$)

1)



Area =

2)



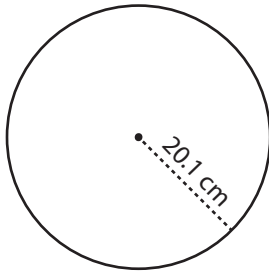
Area =

3)



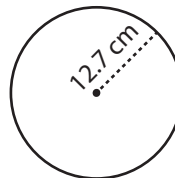
Area =

4)



Area =

5)



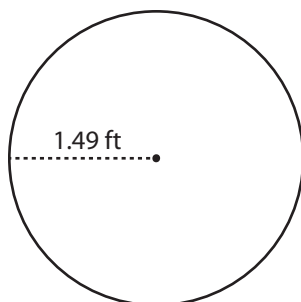
Area =

6)



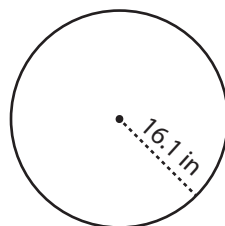
Area =

7)



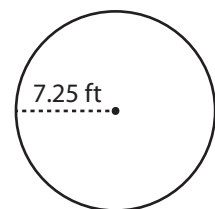
Area =

8)



Area =

9)

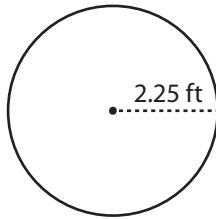


Area =

Answer Key**Circle - Area**

Radius Difficult: S1

Example :

**Area of a circle = πr^2**

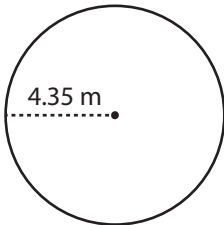
Radius (r) = 2.25 ft

Area = πr^2

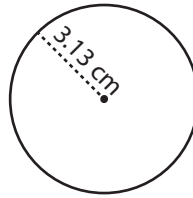
= 3.14 x 2.25 x 2.25

Area = **15.90 ft²**Find the area of each circle. Round the answer to two decimal places. (use $\pi = 3.14$)

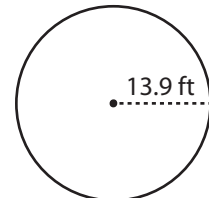
1)

Area = **59.42 m²**

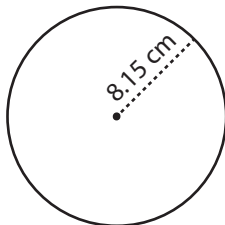
2)

Area = **30.76 cm²**

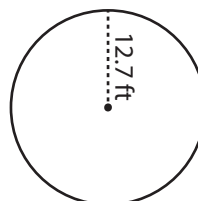
3)

Area = **606.68 ft²**

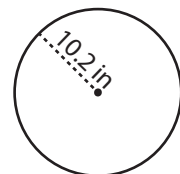
4)

Area = **208.57 cm²**

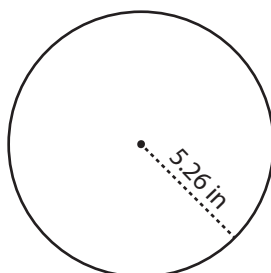
5)

Area = **506.45 ft²**

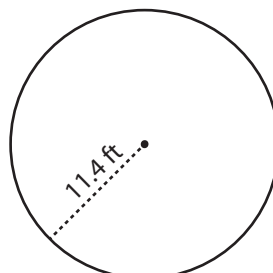
6)

Area = **326.69 in²**

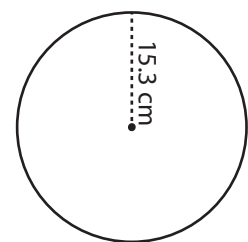
7)

Area = **86.88 in²**

8)

Area = **408.07 ft²**

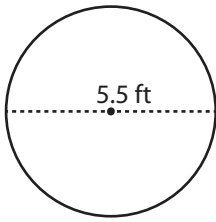
9)

Area = **735.04 cm²**

Answer Key**Circle - Area**

Diameter Difficult: S2

Example :

**Area of a circle = πr^2**

Diameter = 5.5 ft

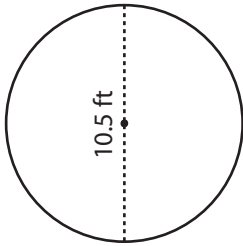
Radius (r) = 2.75 ft

Area = πr^2

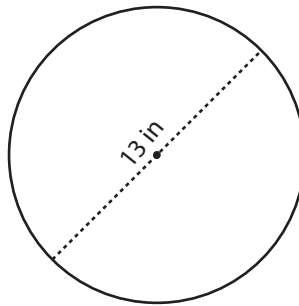
= 3.14 x 2.75 x 2.75

Area = **23.75 ft²**Find the area of each circle. Round the answer to two decimal places. (use $\pi = 3.14$)

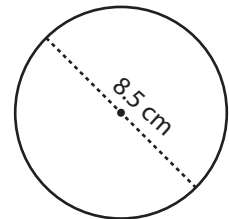
1)

Area = **86.55 ft²**

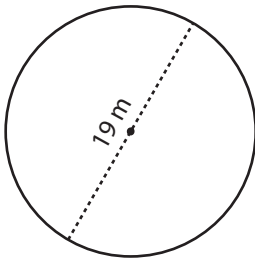
2)

Area = **132.67 in²**

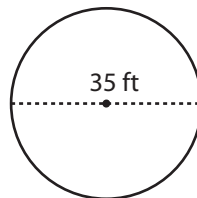
3)

Area = **56.72 cm²**

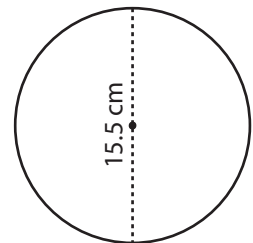
4)

Area = **283.39 m²**

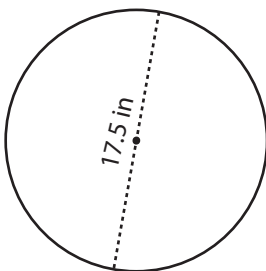
5)

Area = **961.63 ft²**

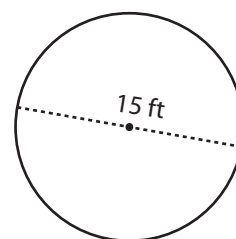
6)

Area = **188.60 cm²**

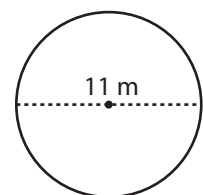
7)

Area = **240.41 in²**

8)

Area = **176.63 ft²**

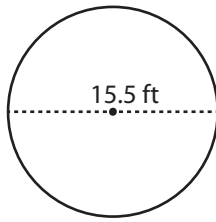
9)

Area = **94.99 m²**

Answer Key**Circle - Area**

Diameter Difficult: S3

Example :



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

$$\text{Diameter} = 15.5 \text{ ft}$$

$$\text{Radius (r)} = 7.75 \text{ ft}$$

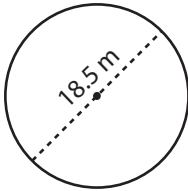
$$\text{Area} = \pi r^2$$

$$= 3.14 \times 7.75 \times 7.75$$

$$\text{Area} = \mathbf{188.60 \text{ ft}^2}$$

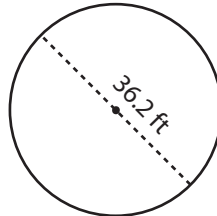
Find the area of each circle. Round the answer to two decimal places. (use $\pi = 3.14$)

1)



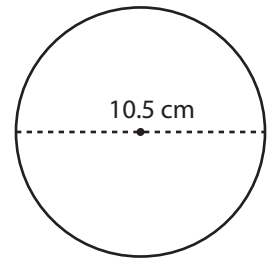
$$\text{Area} = \mathbf{268.67 \text{ m}^2}$$

2)



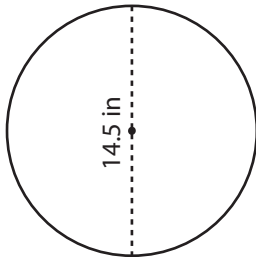
$$\text{Area} = \mathbf{1028.70 \text{ ft}^2}$$

3)



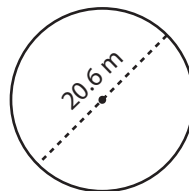
$$\text{Area} = \mathbf{86.55 \text{ cm}^2}$$

4)



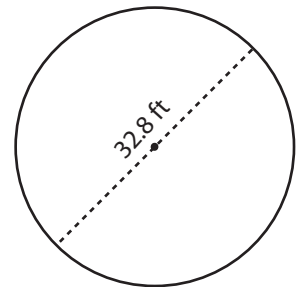
$$\text{Area} = \mathbf{165.05 \text{ in}^2}$$

5)



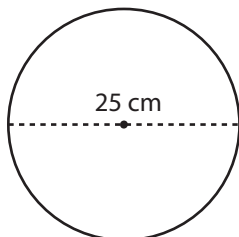
$$\text{Area} = \mathbf{333.12 \text{ m}^2}$$

6)



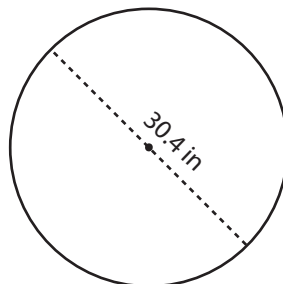
$$\text{Area} = \mathbf{844.53 \text{ ft}^2}$$

7)



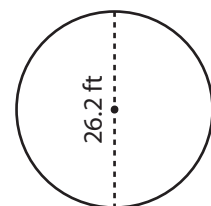
$$\text{Area} = \mathbf{490.63 \text{ cm}^2}$$

8)



$$\text{Area} = \mathbf{725.47 \text{ in}^2}$$

9)



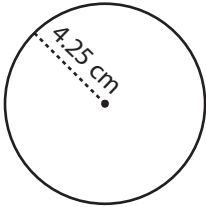
$$\text{Area} = \mathbf{538.86 \text{ ft}^2}$$

Answer Key**Circle - Area**

Radius/Diameter Difficult: S3

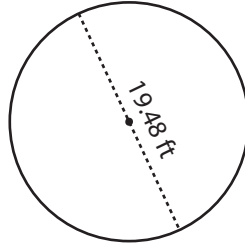
Find the area of each circle. Round the answer to two decimal places. (use $\pi = 3.14$)

1)



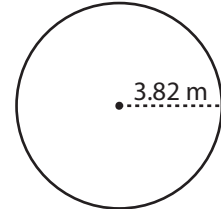
Area = **56.72 cm²**

2)



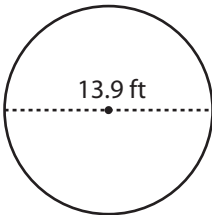
Area = **297.88 ft²**

3)



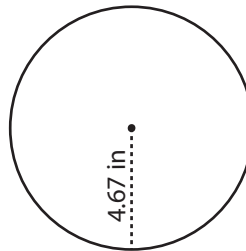
Area = **45.82 m²**

4)



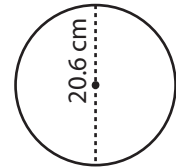
Area = **151.67 ft²**

5)



Area = **68.48 in²**

6)



Area = **333.12 cm²**

7) If the radius is 5.83 in, what will be the area of the circle?

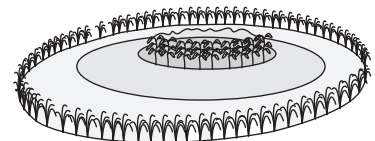
- a) 26.68 in² **b) 106.73 in²** c) 36.61 ft² d) 18.31 in²

8) What is the area of the circle with a diameter of 16.56 m?

- a) 104 m² b) 861.09 m² **c) 215.27 m²** d) 52 m²

9) A circular park has a radius of 28.3 yd. Find the area of the circular park.

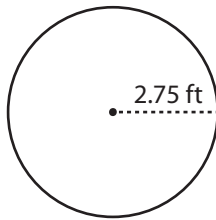
Area = **2514.80 yd²**



Answer Key**Circle - Area**

Radius Difficult: S3

Example :

**Area of a circle = πr^2**

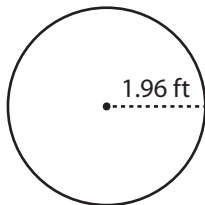
Radius (r) = 2.75 ft

Area = πr^2

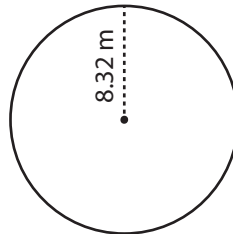
= 3.14 x 2.75 x 2.75

Area = **23.75 ft²**Find the area of each circle. Round the answer to two decimal places. (use $\pi = 3.14$)

1)

Area = **12.06 ft²**

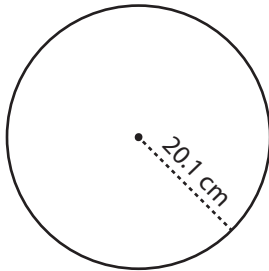
2)

Area = **217.36 m²**

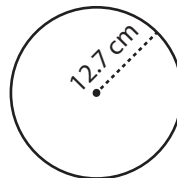
3)

Area = **103.82 mm²**

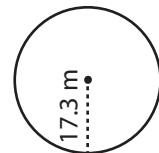
4)

Area = **1268.59 cm²**

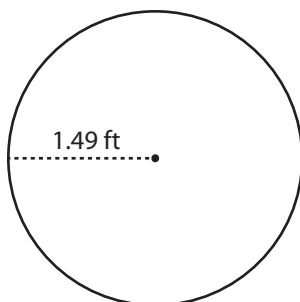
5)

Area = **506.45 cm²**

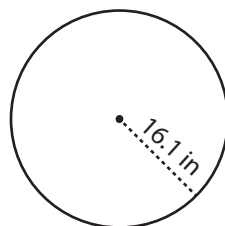
6)

Area = **939.77 m²**

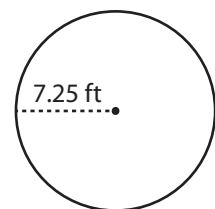
7)

Area = **6.97 ft²**

8)

Area = **813.92 in²**

9)

Area = **165.05 ft²**