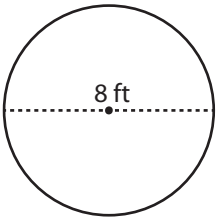
Name : _____ Score : _____

Circle - Area

Diameter Easy: S1

Example :



Area of a circle = πr^2

Diameter = 8 ft

Radius (r) = 4 ft

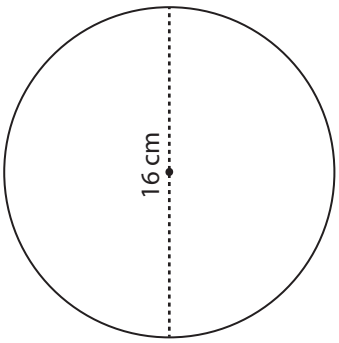
Area = πr^2

= π x 4 x 4

Area = **16π ft^2**

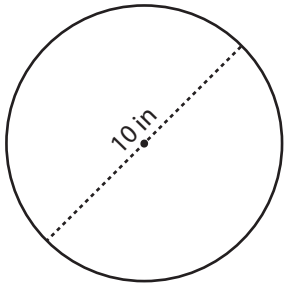
Find the exact area of each circle.

1)



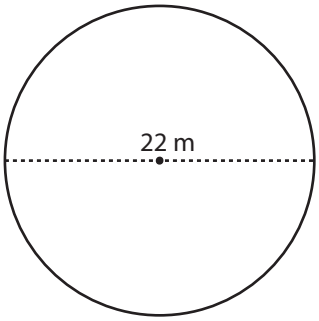
Area = _____

2)



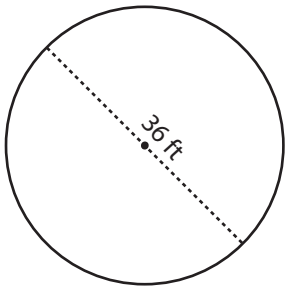
Area = _____

3)



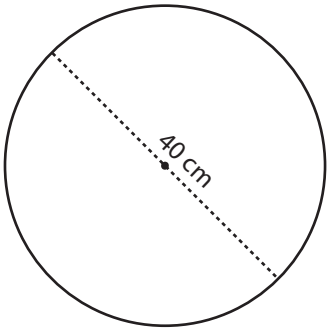
Area = _____

4)



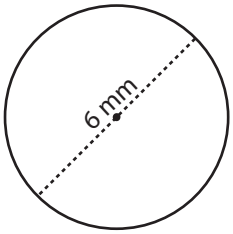
Area = _____

5)



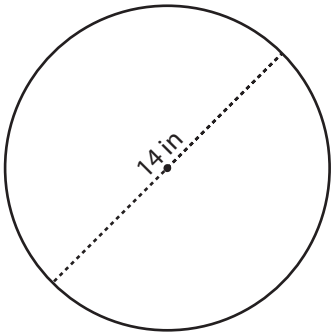
Area = _____

6)



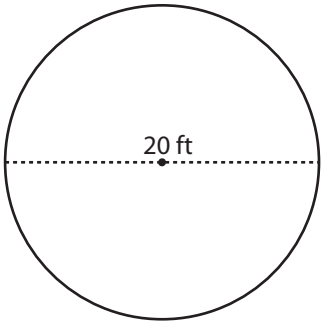
Area = _____

7)



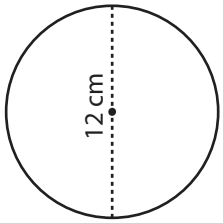
Area = _____

8)



Area = _____

9)



Area = _____

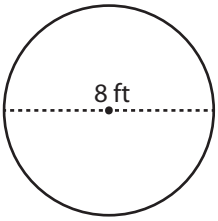
Name : _____ Score : _____

Answer Key

Circle - Area

Diameter Easy: S1

Example :



Area of a circle = πr^2

Diameter = 8 ft

Radius (r) = 4 ft

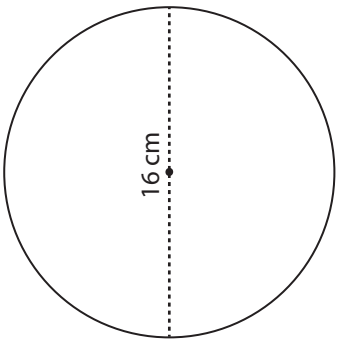
Area = πr^2

= π x 4 x 4

Area = **16π ft²**

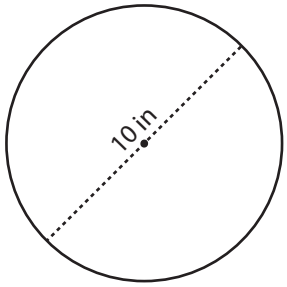
Find the exact area of each circle.

1)



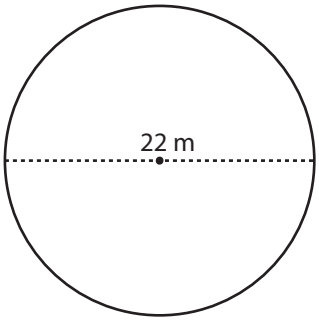
Area = **64π cm²**

2)



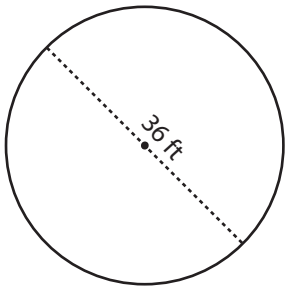
Area = **25π in²**

3)



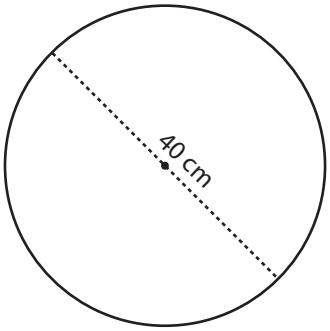
Area = **121π m²**

4)



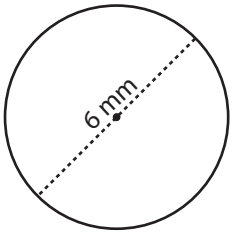
Area = **324π ft²**

5)



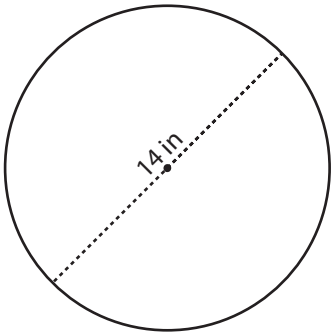
Area = **400π cm²**

6)



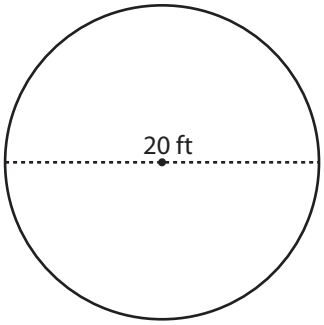
Area = **9π mm²**

7)



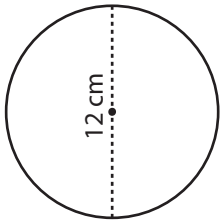
Area = **49π in²**

8)



Area = **100π ft²**

9)



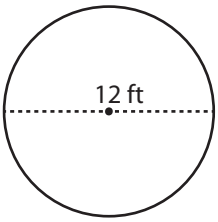
Area = **36π cm²**

Name : _____ Score : _____

Circle - Area

Diameter Easy: S2

Example :



Area of a circle = πr^2

Diameter = 12 ft

Radius (r) = 6 ft

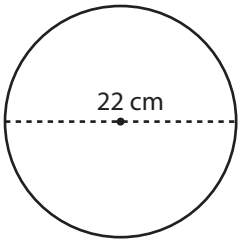
Area = πr^2

= π x 6 x 6

Area = **36π ft^2**

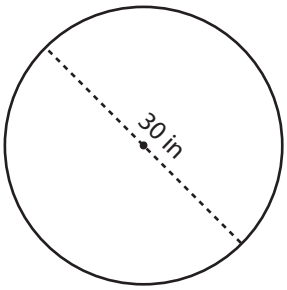
Find the exact area of each circle.

1)



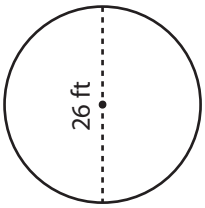
Area = _____

2)



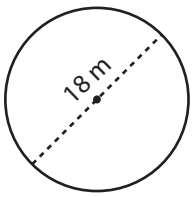
Area = _____

3)



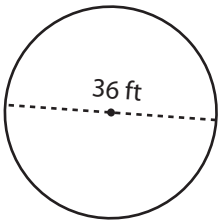
Area = _____

4)



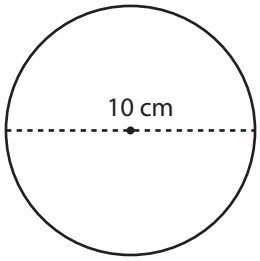
Area = _____

5)



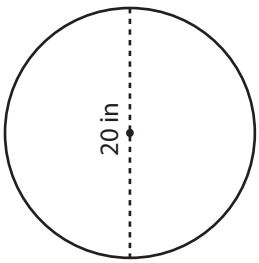
Area = _____

6)



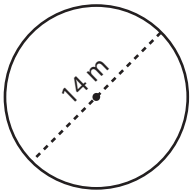
Area = _____

7)



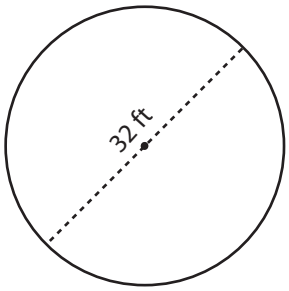
Area = _____

8)



Area = _____

9)



Area = _____

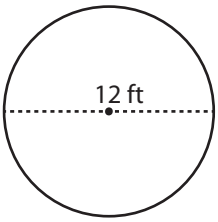
Name : _____ Score : _____

Answer Key

Circle - Area

Diameter Easy: S2

Example :



Area of a circle = πr^2

Diameter = 12 ft

Radius (r) = 6 ft

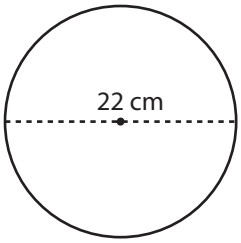
Area = πr^2

= π x 6 x 6

Area = **36π ft²**

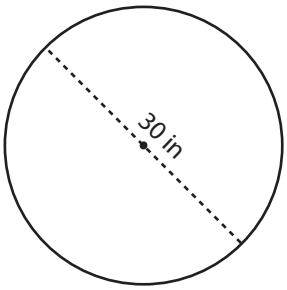
Find the exact area of each circle.

1)



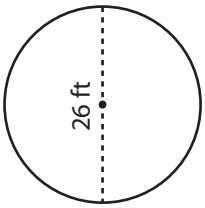
Area = **121π cm²**

2)



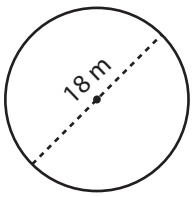
Area = **225π in²**

3)



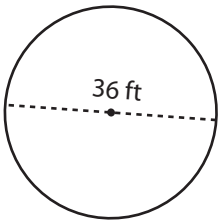
Area = **169π ft²**

4)



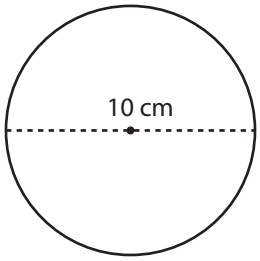
Area = **81π m²**

5)



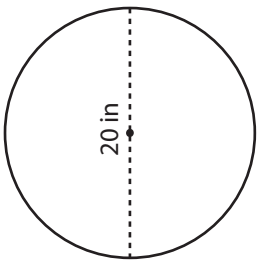
Area = **324π ft²**

6)



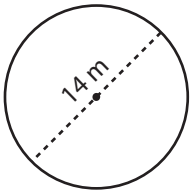
Area = **25π cm²**

7)



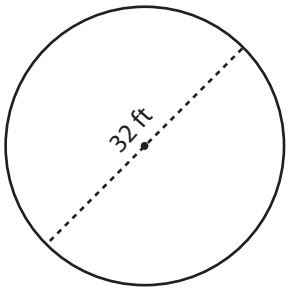
Area = **100π in²**

8)



Area = **49π m²**

9)



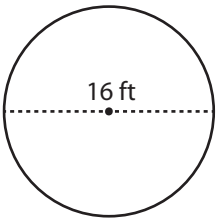
Area = **256π ft²**

Name : _____ Score : _____

Circle - Area

Diameter Easy: S3

Example :



Area of a circle = πr^2

Diameter = 16 ft

Radius (r) = 8 ft

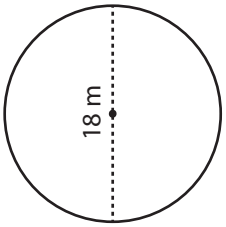
Area = πr^2

= π x 8 x 8

Area = **64π ft²**

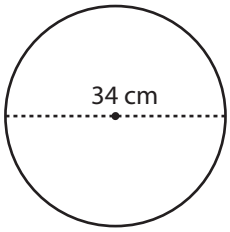
Find the exact area of each circle.

1)



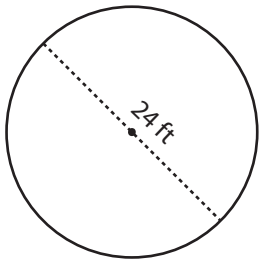
Area = _____

2)



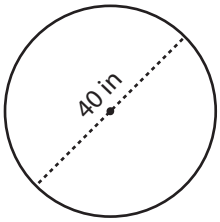
Area = _____

3)



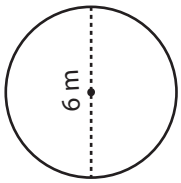
Area = _____

4)



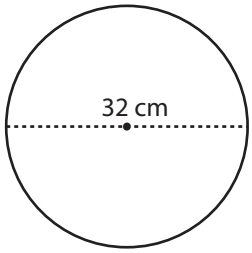
Area = _____

5)



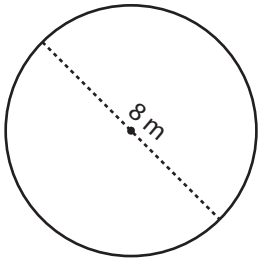
Area = _____

6)



Area = _____

7)

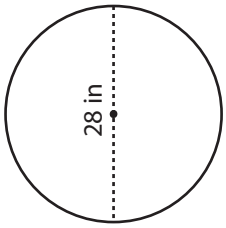


Area = _____

8)

Area = _____

9)



Area = _____

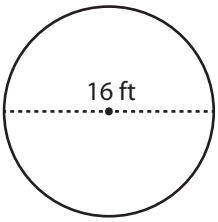
Name : _____ Score : _____

Answer Key

Circle - Area

Diameter Easy: S3

Example :



Area of a circle = πr^2

Diameter = 16 ft

Radius (r) = 8 ft

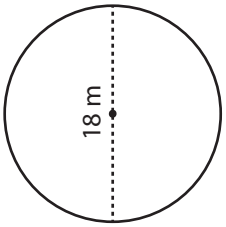
Area = πr^2

= π x 8 x 8

Area = **64π ft²**

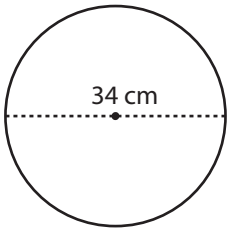
Find the exact area of each circle.

1)



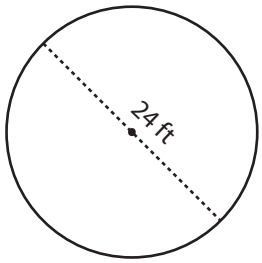
Area = **81π m²**

2)



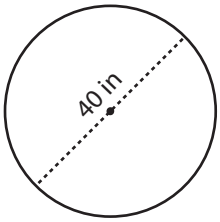
Area = **289π cm²**

3)



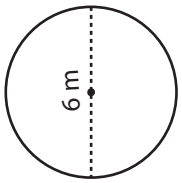
Area = **144π ft²**

4)



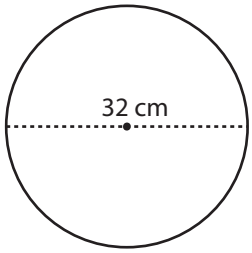
Area = **400π in²**

5)



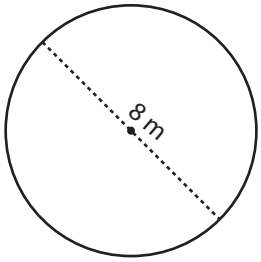
Area = **9π m²**

6)



Area = **256π cm²**

7)

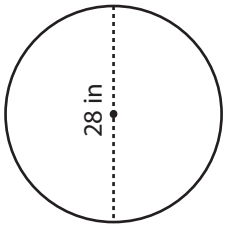


Area = **16π m²**

8)

Area = **225π ft²**

9)



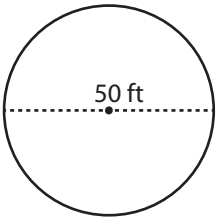
Area = **196π in²**

Name : _____ Score : _____

Circle - Area

Diameter Moderate: S1

Example :



Area of a circle = πr^2

Diameter = 50 ft

Radius (r) = 25 ft

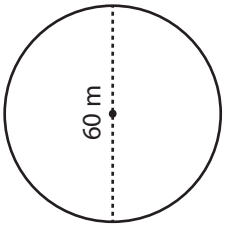
Area = πr^2

= 3.14 x 25 x 25

Area = **1962.5 ft²**

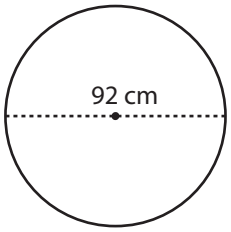
Find the area of each circle. Round the answer to tenth decimal place. (use $\pi = 3.14$)

1)



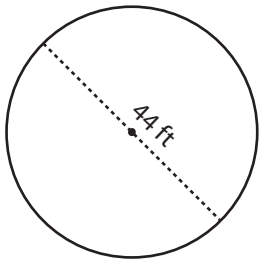
Area = _____

2)



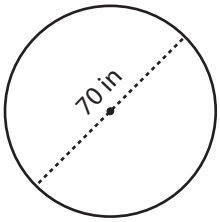
Area = _____

3)



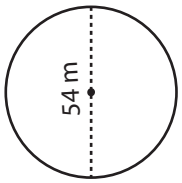
Area = _____

4)



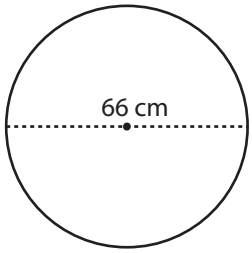
Area = _____

5)



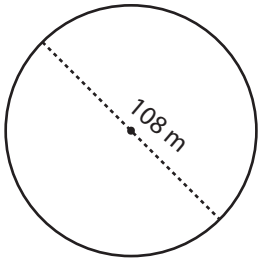
Area = _____

6)



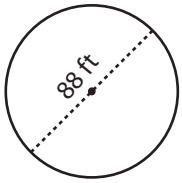
Area = _____

7)



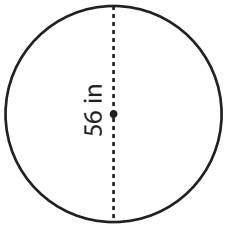
Area = _____

8)



Area = _____

9)



Area = _____

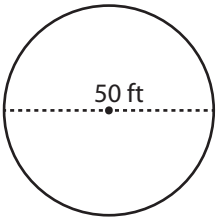
Name : _____ Score : _____

Answer Key

Circle - Area

Diameter Moderate: S1

Example :



Area of a circle = πr^2

Diameter = 50 ft

Radius (r) = 25 ft

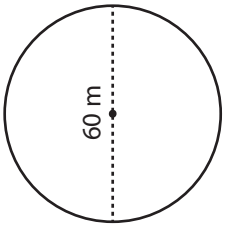
Area = πr^2

= 3.14 x 25 x 25

Area = **1962.5 ft²**

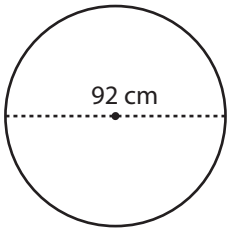
Find the area of each circle. Round the answer to tenth decimal place. (use π = 3.14)

1)



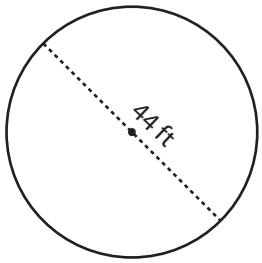
Area = **2826 m²**

2)



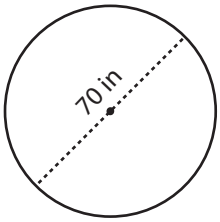
Area = **6644.2 cm²**

3)



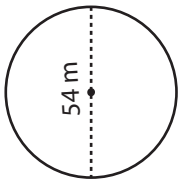
Area = **1519.8 ft²**

4)



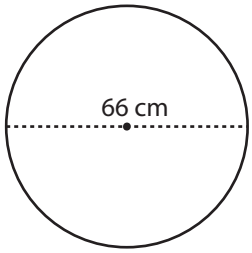
Area = **3846.5 in²**

5)



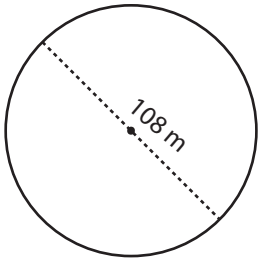
Area = **2289.1 m²**

6)



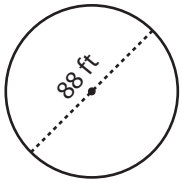
Area = **3419.5 cm²**

7)



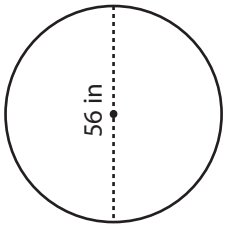
Area = **9156.2 m²**

8)



Area = **6079 ft²**

9)



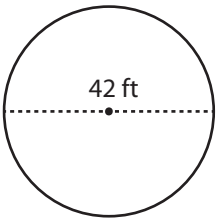
Area = **2461.8 in²**

Name : _____ Score : _____

Circle - Area

Diameter Moderate: S2

Example :



Area of a circle = πr^2

Diameter = 42 ft

Radius (r) = 21 ft

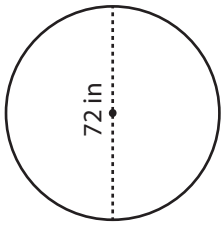
Area = πr^2

= 3.14 x 21 x 21

Area = **1384.7 ft²**

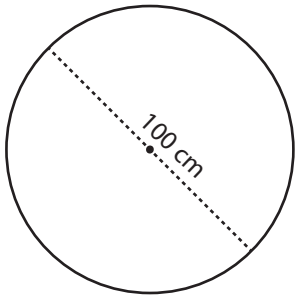
Find the area of each circle. Round the answer to tenth decimal place. (use $\pi = 3.14$)

1)



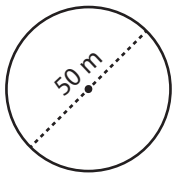
Area = _____

2)



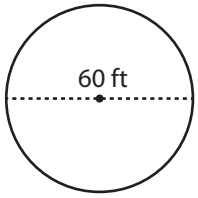
Area = _____

3)



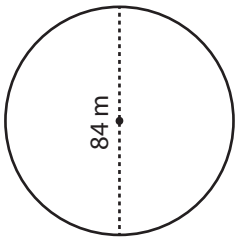
Area = _____

4)



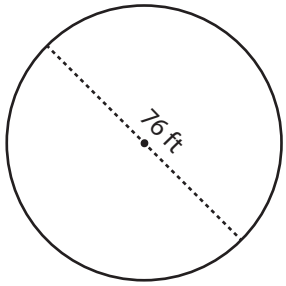
Area = _____

5)



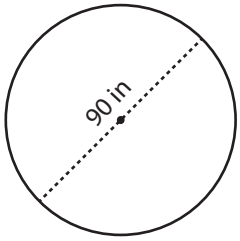
Area = _____

6)



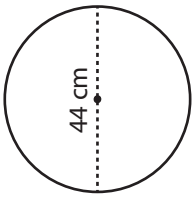
Area = _____

7)



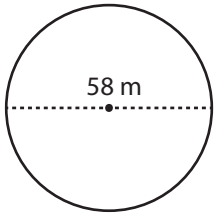
Area = _____

8)



Area = _____

9)



Area = _____

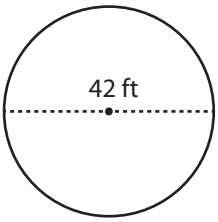
Name : _____ Score : _____

Answer Key

Circle - Area

Diameter Moderate: S2

Example :



Area of a circle = πr^2

Diameter = 42 ft

Radius (r) = 21 ft

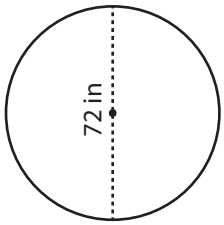
Area = πr^2

= 3.14 x 21 x 21

Area = **1384.7 ft²**

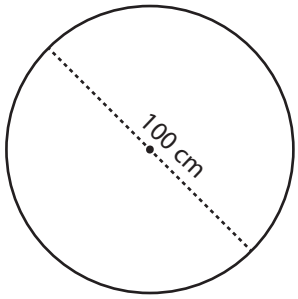
Find the area of each circle. Round the answer to tenth decimal place. (use π = 3.14)

1)



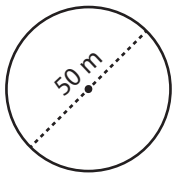
Area = **4069.4 in²**

2)



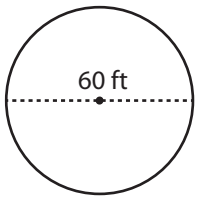
Area = **7850 cm²**

3)



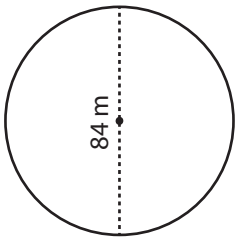
Area = **1962.5 m²**

4)



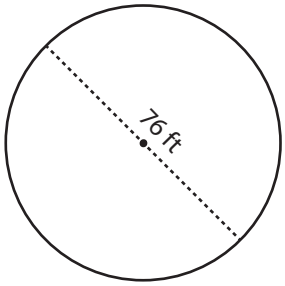
Area = **2826 ft²**

5)



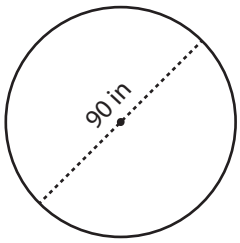
Area = **5539 m²**

6)



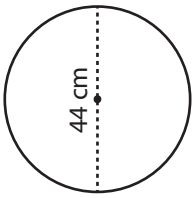
Area = **4534.2 ft²**

7)



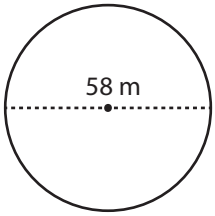
Area = **6358.5 in²**

8)



Area = **1519.8 cm²**

9)



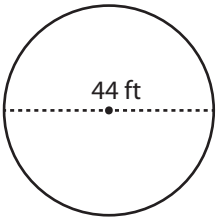
Area = **2640.7 m²**

Name : _____ Score : _____

Circle - Area

Diameter Moderate: S3

Example :



Area of a circle = πr^2

Diameter = 44 ft

Radius (r) = 22 ft

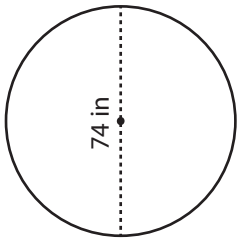
Area = πr^2

= 3.14 x 22 x 22

Area = **1519.8 ft^2**

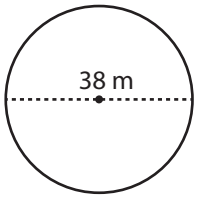
Find the area of each circle. Round the answer to tenth decimal place. (use $\pi = 3.14$)

1)



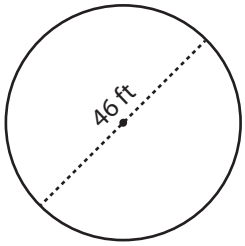
Area = _____

2)



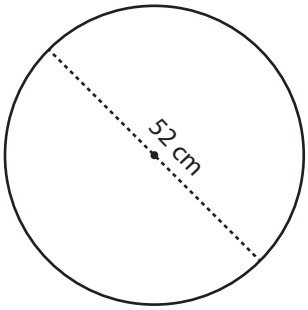
Area = _____

3)



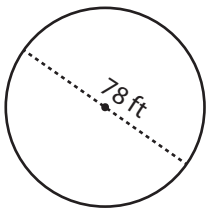
Area = _____

4)



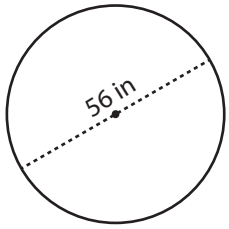
Area = _____

5)



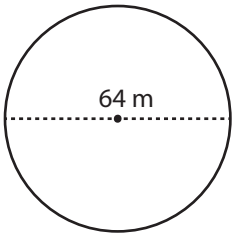
Area = _____

6)



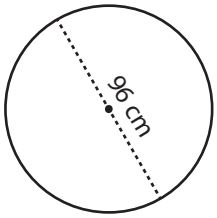
Area = _____

7)



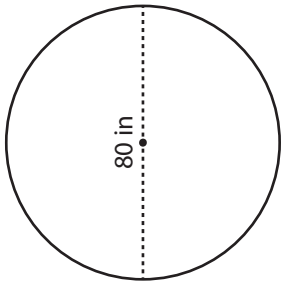
Area = _____

8)



Area = _____

9)



Area = _____

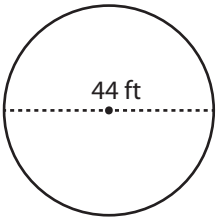
Name : _____ Score : _____

Answer Key

Circle - Area

Diameter Moderate: S3

Example :



Area of a circle = πr^2

Diameter = 44 ft

Radius (r) = 22 ft

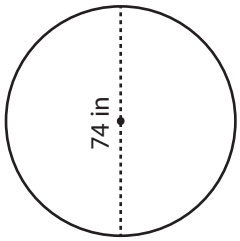
Area = πr^2

= 3.14 x 22 x 22

Area = **1519.8 ft^2**

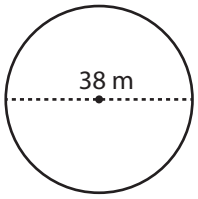
Find the area of each circle. Round the answer to tenth decimal place. (use $\pi = 3.14$)

1)



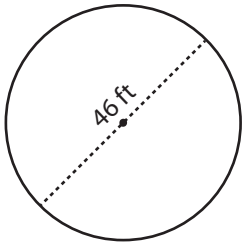
Area = **4298.7 in^2**

2)



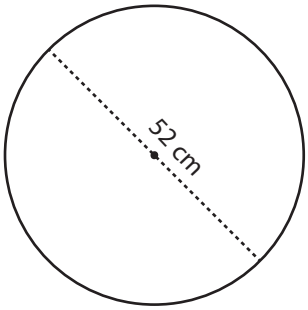
Area = **1133.5 m^2**

3)



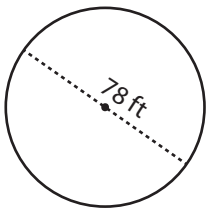
Area = **1661.1 ft^2**

4)



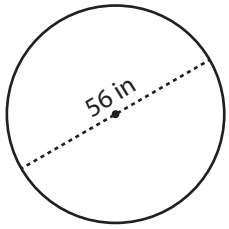
Area = **2122.6 cm^2**

5)



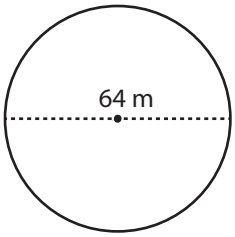
Area = **4775.9 ft^2**

6)



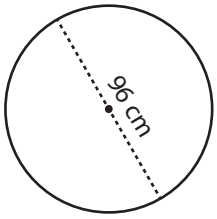
Area = **2461.8 in^2**

7)



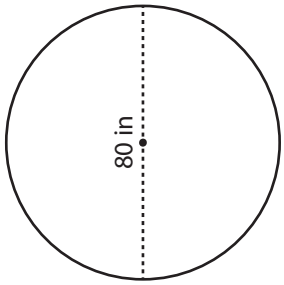
Area = **3215.4 m^2**

8)



Area = **7234.6 cm^2**

9)



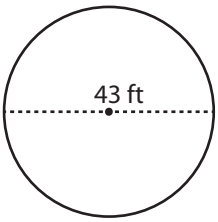
Area = **5024 in^2**

Name : _____ Score : _____

Circle - Area

Diameter Difficult: S1

Example :



Area of a circle = πr^2

Diameter = 43 ft

Radius (r) = 21.5 ft

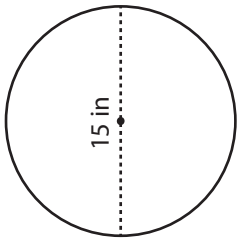
Area = πr^2

= 3.14 x 21.5 x 21.5

Area = **1451.47 ft²**

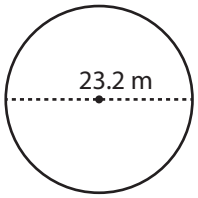
Find the area of each circle. Round the answer to two decimal places. (use $\pi = 3.14$)

1)



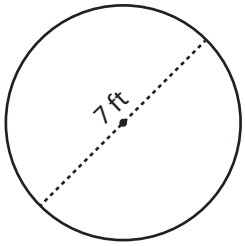
Area = _____

2)



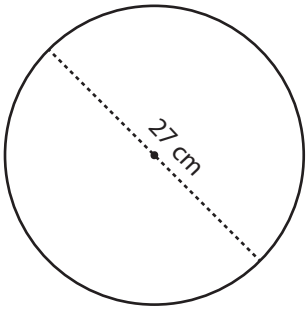
Area = _____

3)



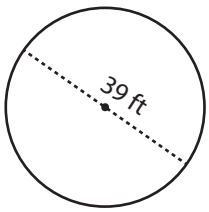
Area = _____

4)



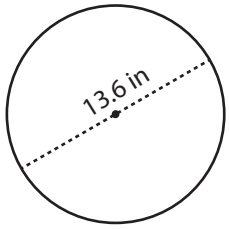
Area = _____

5)



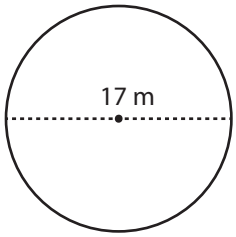
Area = _____

6)



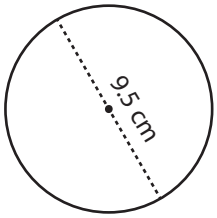
Area = _____

7)



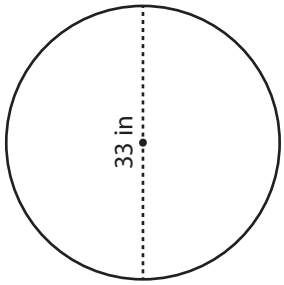
Area = _____

8)



Area = _____

9)



Area = _____

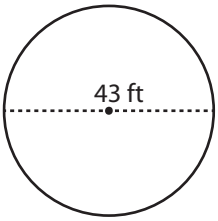
Name : _____ Score : _____

Answer Key

Circle - Area

Diameter Difficult: S1

Example :



Area of a circle = πr^2

Diameter = 43 ft

Radius (r) = 21.5 ft

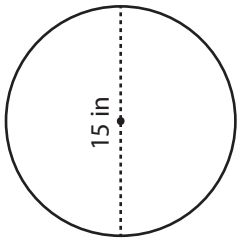
Area = πr^2

= 3.14 x 21.5 x 21.5

Area = **1451.47 ft²**

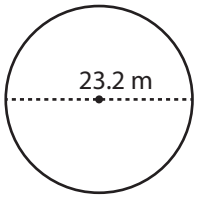
Find the area of each circle. Round the answer to two decimal places. (use $\pi = 3.14$)

1)



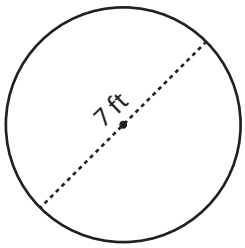
Area = **176.63 in²**

2)



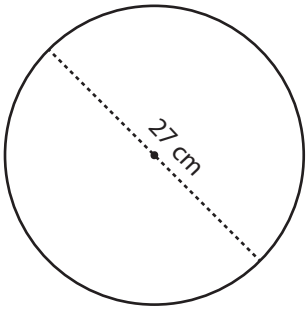
Area = **422.52 m²**

3)



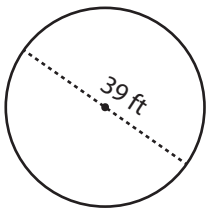
Area = **38.47 ft²**

4)



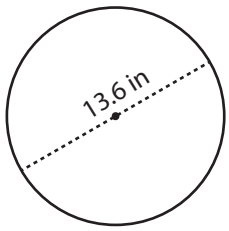
Area = **572.27 cm²**

5)



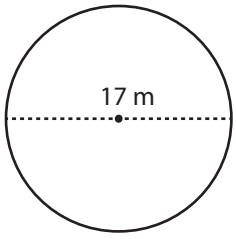
Area = **1193.99 ft²**

6)



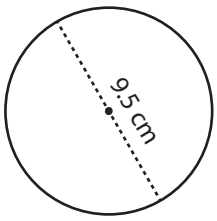
Area = **145.19 in²**

7)



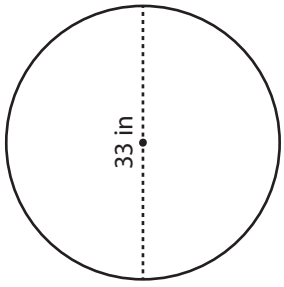
Area = **226.87 m²**

8)



Area = **70.85 cm²**

9)



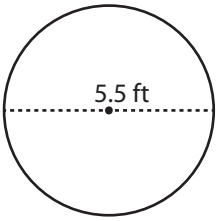
Area = **854.87 in²**

Name : _____ Score : _____

Circle - Area

Diameter Difficult: S2

Example :



Area of a circle = πr^2

Diameter = 5.5 ft

Radius (r) = 2.75 ft

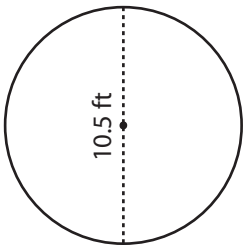
Area = πr^2

= 3.14 x 2.75 x 2.75

Area = **23.75 ft²**

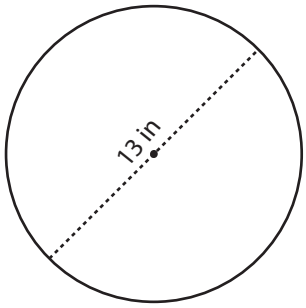
Find the area of each circle. Round the answer to two decimal places. (use $\pi = 3.14$)

1)



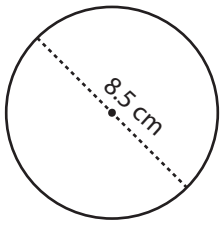
Area = _____

2)



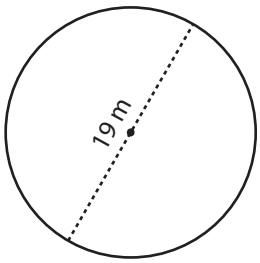
Area = _____

3)



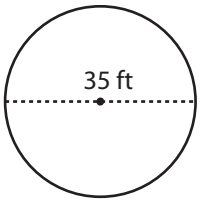
Area = _____

4)



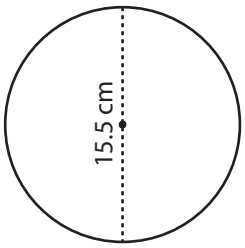
Area = _____

5)



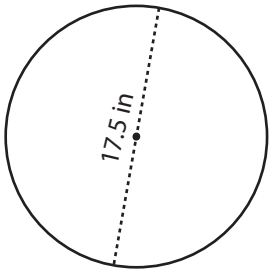
Area = _____

6)



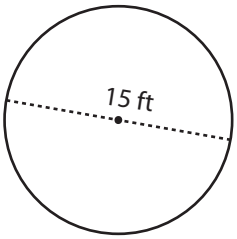
Area = _____

7)



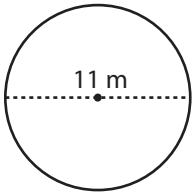
Area = _____

8)



Area = _____

9)



Area = _____

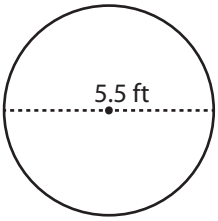
Name : _____ Score : _____

Answer Key

Circle - Area

Diameter Difficult: S2

Example :



Area of a circle = πr^2

Diameter = 5.5 ft

Radius (r) = 2.75 ft

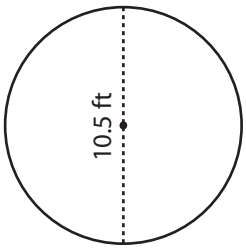
Area = πr^2

= 3.14 x 2.75 x 2.75

Area = **23.75 ft²**

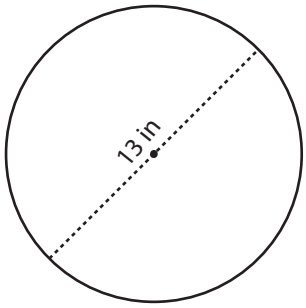
Find the area of each circle. Round the answer to two decimal places. (use $\pi = 3.14$)

1)



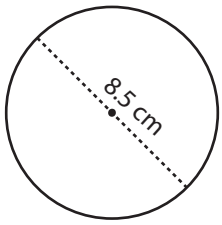
Area = **86.55 ft²**

2)



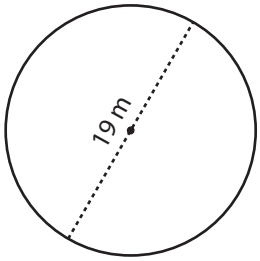
Area = **132.67 in²**

3)



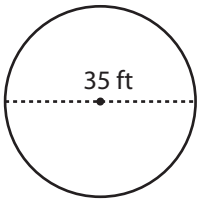
Area = **56.72 cm²**

4)



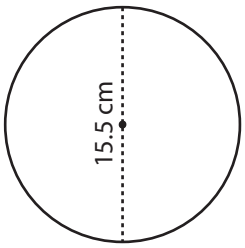
Area = **283.39 m²**

5)



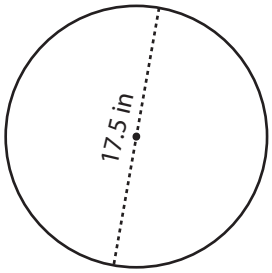
Area = **961.63 ft²**

6)



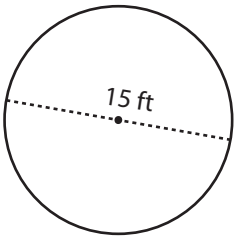
Area = **188.60 cm²**

7)



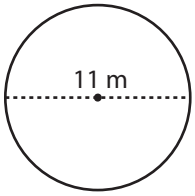
Area = **240.41 in²**

8)



Area = **176.63 ft²**

9)



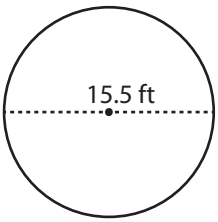
Area = **94.99 m²**

Name : _____ Score : _____

Circle - Area

Diameter Difficult: S3

Example :



Area of a circle = πr^2

Diameter = 15.5 ft

Radius (r) = 7.75 ft

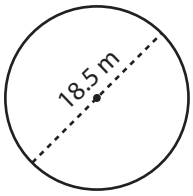
Area = πr^2

= 3.14 x 7.75 x 7.75

Area = **188.60 ft²**

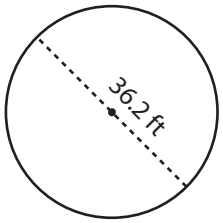
Find the area of each circle. Round the answer to two decimal places. (use $\pi = 3.14$)

1)



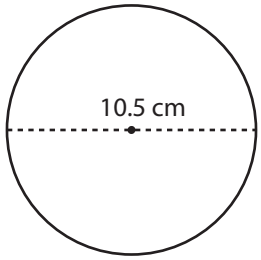
Area = _____

2)



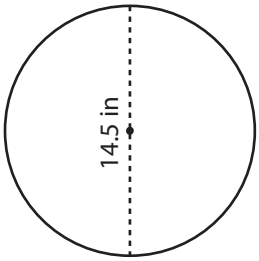
Area = _____

3)



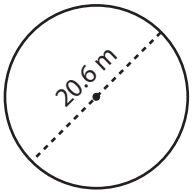
Area = _____

4)



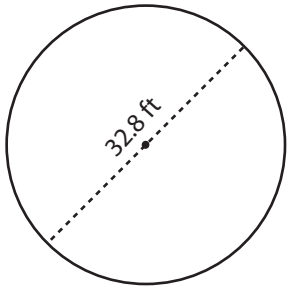
Area = _____

5)



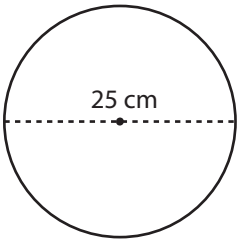
Area = _____

6)



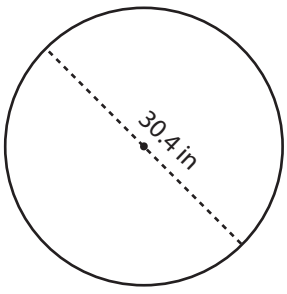
Area = _____

7)



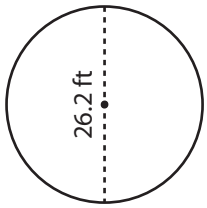
Area = _____

8)



Area = _____

9)



Area = _____

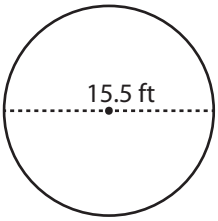
Name : _____ Score : _____

Answer Key

Circle - Area

Diameter Difficult: S3

Example :



Area of a circle = πr^2

Diameter = 15.5 ft

Radius (r) = 7.75 ft

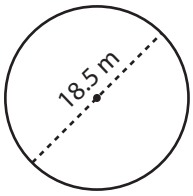
Area = πr^2

= 3.14 x 7.75 x 7.75

Area = **188.60 ft²**

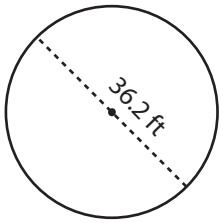
Find the area of each circle. Round the answer to two decimal places. (use π = 3.14)

1)



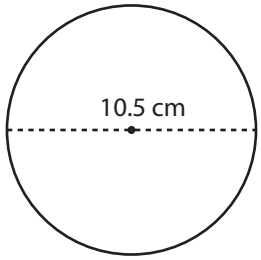
Area = **268.67 m²**

2)



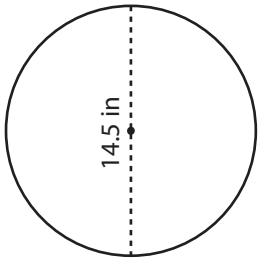
Area = **1028.70 ft²**

3)



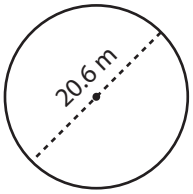
Area = **86.55 cm²**

4)



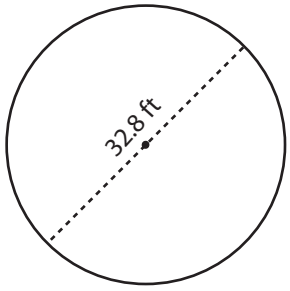
Area = **165.05 in²**

5)



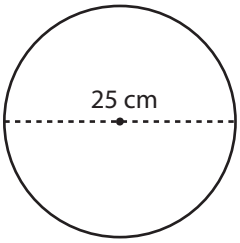
Area = **333.12 m²**

6)



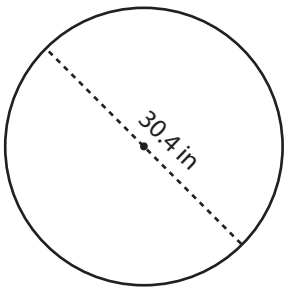
Area = **844.53 ft²**

7)



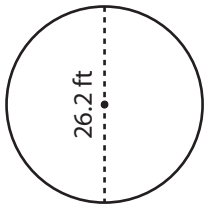
Area = **490.63 cm²**

8)



Area = **725.47 in²**

9)



Area = **538.86 ft²**