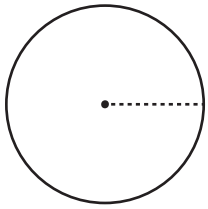
Name : _____ Score : _____

Area

Difficult: S1

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

1)

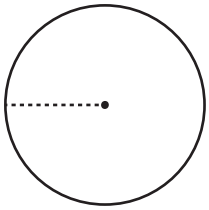


Circumference = 77.87 cm

Radius = _____

Area = _____

2)

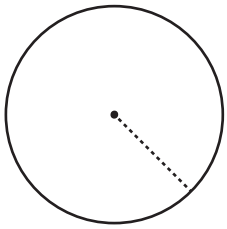


Circumference = 111.78 ft

Radius = _____

Area = _____

3)

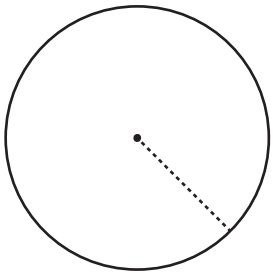


Circumference = 56.08 m

Radius = _____

Area = _____

4)

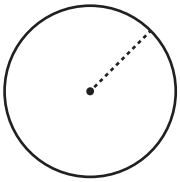


Circumference = 41.20 ft

Radius = _____

Area = _____

5)

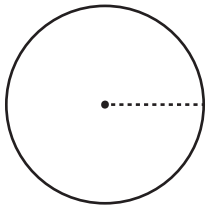


Circumference = 18.15 cm

Radius = _____

Area = _____

6)



Circumference = 27.32 in

Radius = _____

Area = _____

7) A circle has a circumference of 70.96 m. What is its area?

Area = _____

8) The circumference of a circular lid is 102.99 ft. What is the area of the lid?

Area = _____

Name : _____ Score : _____

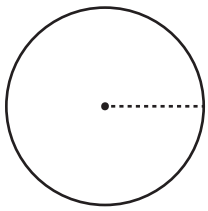
Answer Key

Area

Difficult: S1

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

1)

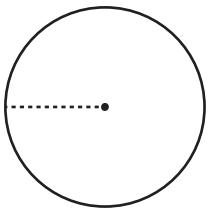


Circumference = 77.87 cm

Radius = **12.4 cm**

Area = **482.81 cm²**

2)

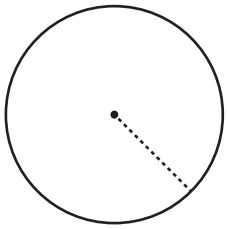


Circumference = 111.78 ft

Radius = **17.8 ft**

Area = **994.88 ft²**

3)

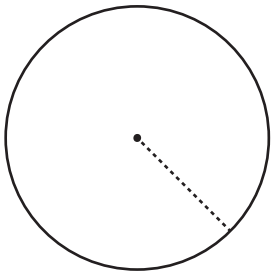


Circumference = 56.08 m

Radius = **8.93 m**

Area = **250.40 m²**

4)

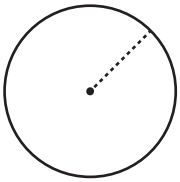


Circumference = 41.20 ft

Radius = **6.56 ft**

Area = **135.13 ft²**

5)

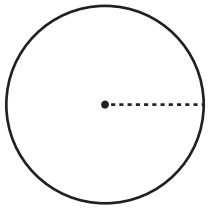


Circumference = 18.15 cm

Radius = **2.89 cm**

Area = **26.23 cm²**

6)



Circumference = 27.32 in

Radius = **4.35 in**

Area = **59.42 in²**

7) A circle has a circumference of 70.96 m. What is its area?

Area = **400.95 m²**

8) The circumference of a circular lid is 102.99 ft. What is the area of the lid?

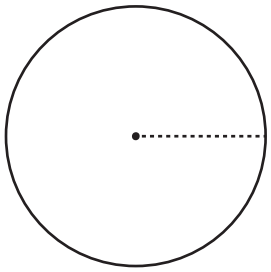
Area = **844.53 ft²**

Name : _____ Score : _____

Area

Difficult: S2

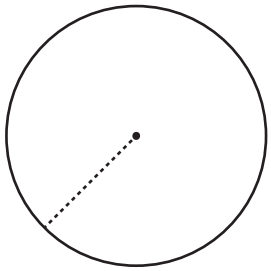
Find the area of each circle. Round the answer to two decimal places. (use π=3.14)

1) 

Circumference = 46.60 cm

Radius = _____

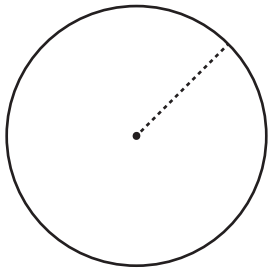
Area = _____

2) 

Circumference = 18.34 m

Radius = _____

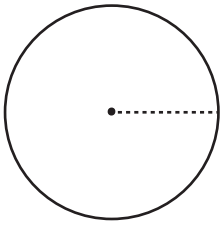
Area = _____

3) 

Circumference = 41.82 ft

Radius = _____

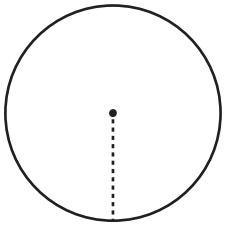
Area = _____

4) 

Circumference = 82.27 m

Radius = _____

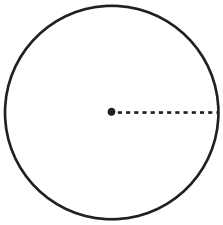
Area = _____

5) 

Circumference = 99.85 ft

Radius = _____

Area = _____

6) 

Circumference = 8.23 cm

Radius = _____

Area = _____

7) If a dartboard has a circumference of 62.05 m, then what is the area available for landing the dart?

Area = _____

8) The circumference of a circular sheet is 72.2 yd. Find the area of color paper required to cover the sheet.

Area = _____

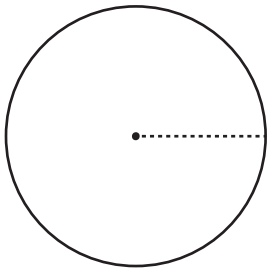
Name : _____ Score : _____

Answer Key

Area

Difficult: S2

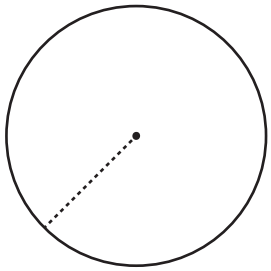
Find the area of each circle. Round the answer to two decimal places. (use π=3.14)

1) 

Circumference = 46.60 cm

Radius = **7.42 cm**

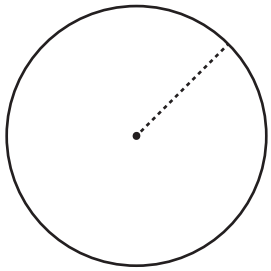
Area = **172.88 cm²**

2) 

Circumference = 18.34 m

Radius = **2.92 m**

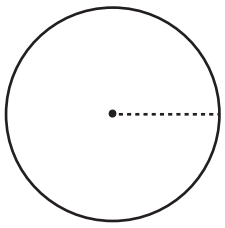
Area = **26.77 m²**

3) 

Circumference = 41.82 ft

Radius = **6.66 ft**

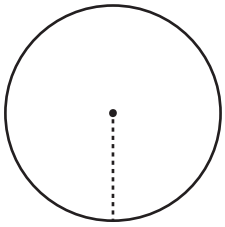
Area = **139.28 ft²**

4) 

Circumference = 82.27 m

Radius = **13.1 m**

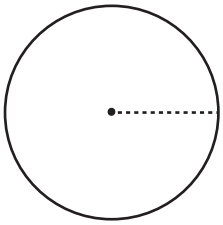
Area = **538.86 m²**

5) 

Circumference = 99.85 ft

Radius = **15.9 ft**

Area = **793.82 ft²**

6) 

Circumference = 8.23 cm

Radius = **1.31 cm**

Area = **5.39 cm²**

7) If a dartboard has a circumference of 62.05 m, then what is the area available for landing the dart?

Area = **306.51 m²**

8) The circumference of a circular sheet is 72.2 yd. Find the area of color paper required to cover the sheet.

Area = **415.27 yd²**

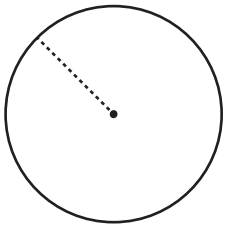
Name : _____ Score : _____

Area

Difficult: S3

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

1)

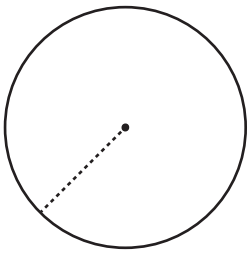


Circumference = 86.66 ft

Radius = _____

Area = _____

2)

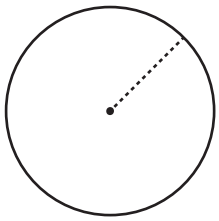


Circumference = 62.74 in

Radius = _____

Area = _____

3)

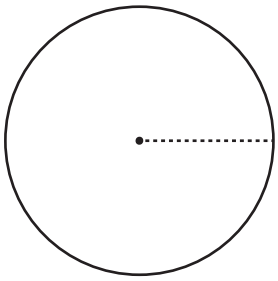


Circumference = 33.41 m

Radius = _____

Area = _____

4)

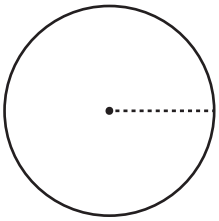


Circumference = 45.53 in

Radius = _____

Area = _____

5)

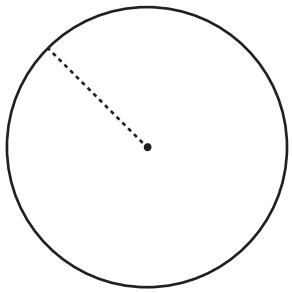


Circumference = 108.64 m

Radius = _____

Area = _____

6)



Circumference = 16.64 cm

Radius = _____

Area = _____

7) The circumference of a circular garden is 24.74 in. What is the area of the circular garden?

Area = _____

8) If Emma runs twice around the corner of a circular field and covers the distance of 128.12 m, what will be the area of the circular field?

Area = _____

Name : _____ Score : _____

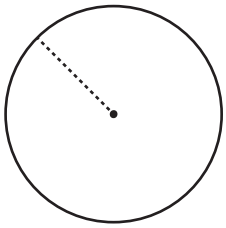
Answer Key

Area

Difficult: S3

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

1)

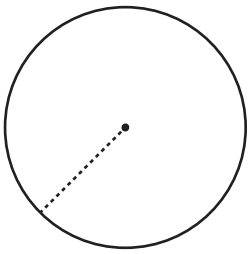


Circumference = 86.66 ft

Radius = **13.8 ft**

Area = **597.98 ft²**

2)

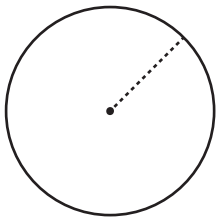


Circumference = 62.74 in

Radius = **9.99 in**

Area = **313.37 in²**

3)

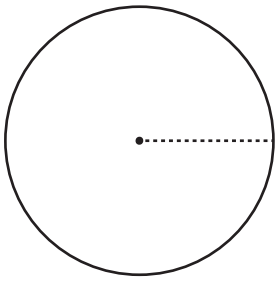


Circumference = 33.41 m

Radius = **5.32 m**

Area = **88.87 m²**

4)

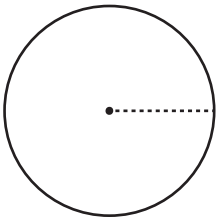


Circumference = 45.53 in

Radius = **7.25 in**

Area = **165.05 in²**

5)

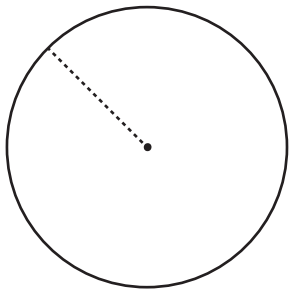


Circumference = 108.64 m

Radius = **17.3 m**

Area = **939.77 m²**

6)



Circumference = 16.64 cm

Radius = **2.65 cm**

Area = **22.05 cm²**

7) The circumference of a circular garden is 24.74 in. What is the area of the circular garden?

Area = **48.74 in²**

8) If Emma runs twice around the corner of a circular field and covers the distance of 128.12 m, what will be the area of the circular field?

Area = **326.69 m²**