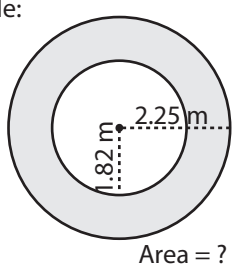
Name : _____ Score : _____

Difficult: S1

Concentric Circle - Area

Example:



Area of shaded region = (Area of outer circle) - (Area of inner circle)

$= \pi R^2 - \pi r^2$

$= \pi (R^2 - r^2)$

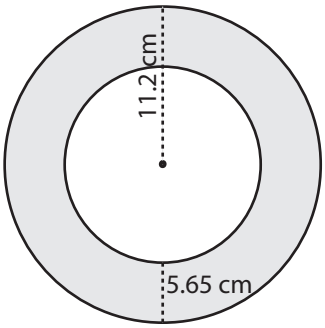
$= 3.14 \times (2.25^2 - 1.82^2)$

$= 3.14 \times (5.0625 - 3.3124)$

$= \mathbf{5.50\ m^2}$

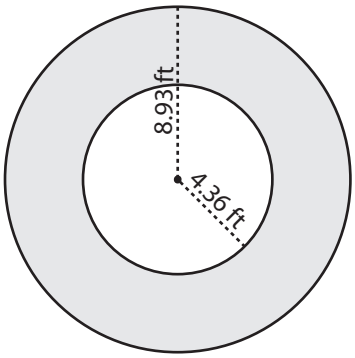
Find the area of each shaded region. Round the answer to two decimal places. (use π=3.14)

1)



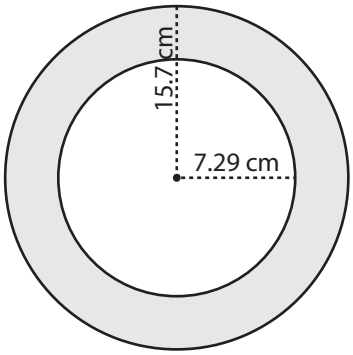
Area = _____

2)



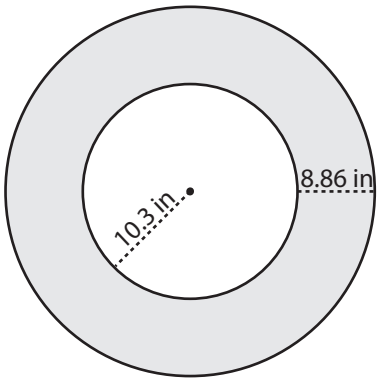
Area = _____

3)



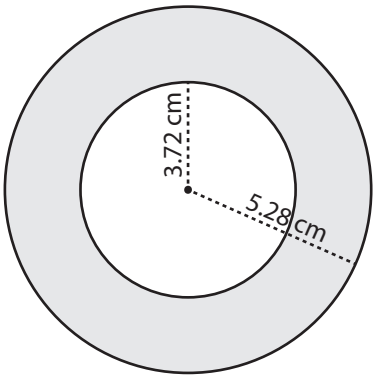
Area = _____

4)



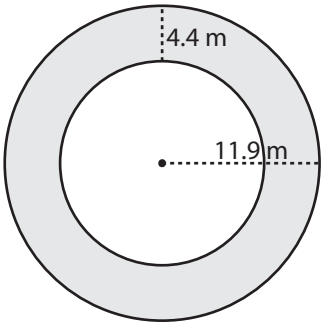
Area = _____

5)



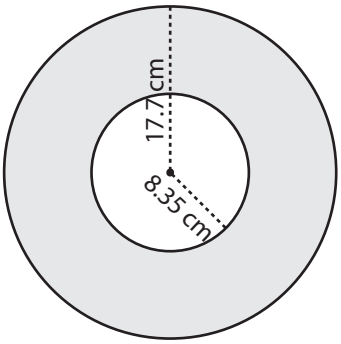
Area = _____

6)



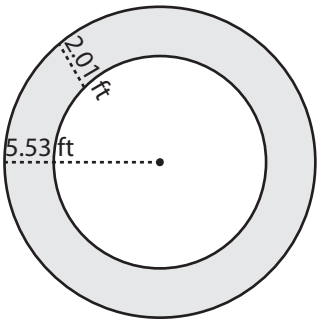
Area = _____

7)



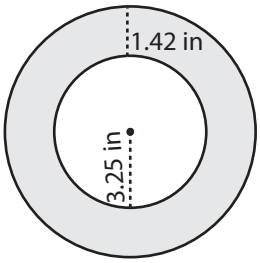
Area = _____

8)



Area = _____

9)



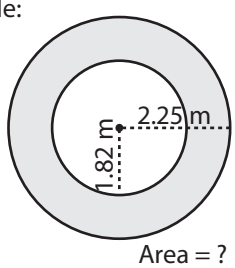
Area = _____

Name : _____ Score : _____

Difficult: S2

Concentric Circle - Area

Example:



Area of shaded region = (Area of outer circle) - (Area of inner circle)

$= \pi R^2 - \pi r^2$

$= \pi (R^2 - r^2)$

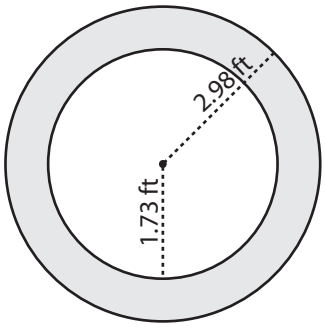
$= 3.14 \times (2.25^2 - 1.82^2)$

$= 3.14 \times (5.0625 - 3.3124)$

$= \mathbf{5.50\ m^2}$

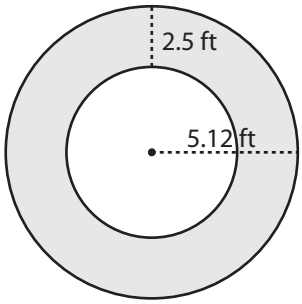
Find the area of each shaded region. Round the answer to two decimal places. (use π=3.14)

1)



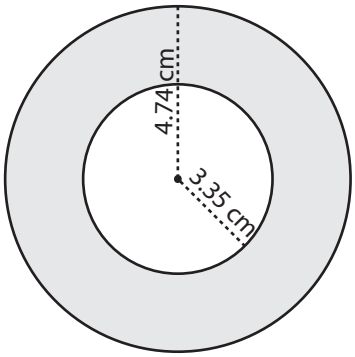
Area = _____

2)



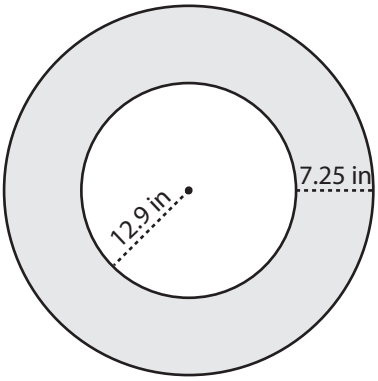
Area = _____

3)



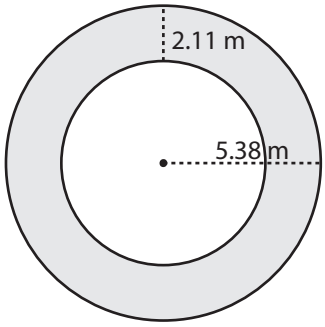
Area = _____

4)



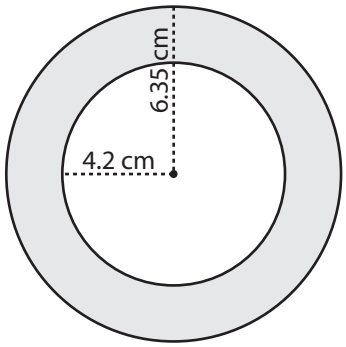
Area = _____

5)



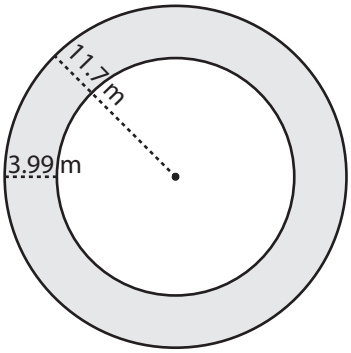
Area = _____

6)



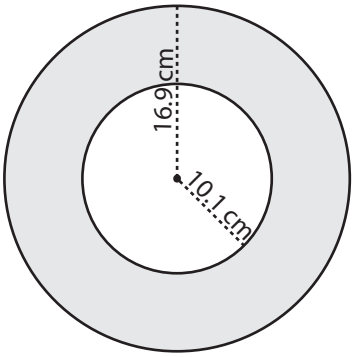
Area = _____

7)



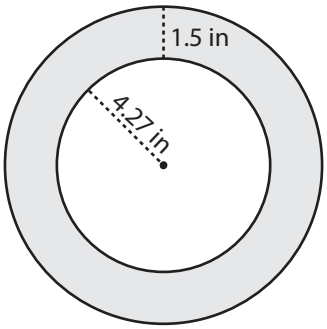
Area = _____

8)



Area = _____

9)



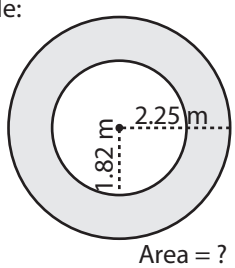
Area = _____

Name : _____ Score : _____

Concentric Circle - Area

Difficult: S3

Example:



Area = ?

Area of shaded region = (Area of outer circle) - (Area of inner circle)

$= \pi R^2 - \pi r^2$

$= \pi (R^2 - r^2)$

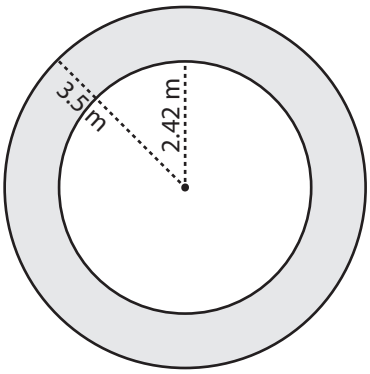
$= 3.14 \times (2.25^2 - 1.82^2)$

$= 3.14 \times (5.0625 - 3.3124)$

$= \mathbf{5.50\ m^2}$

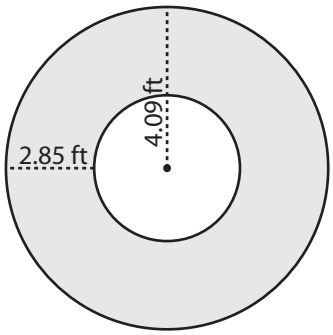
Find the area of each shaded region. Round the answer to two decimal places. (use π=3.14)

1)



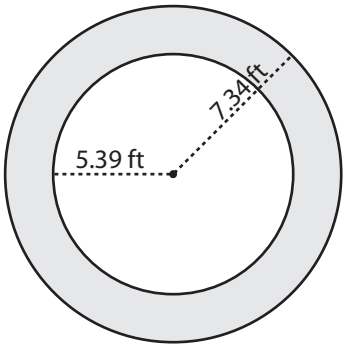
Area = _____

2)



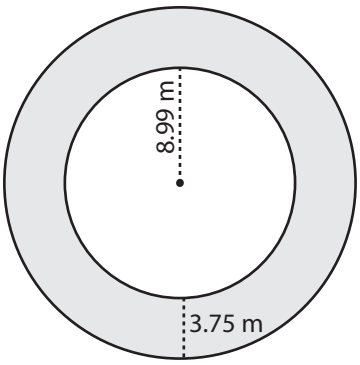
Area = _____

3)



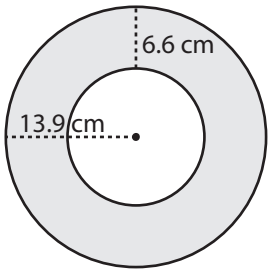
Area = _____

4)



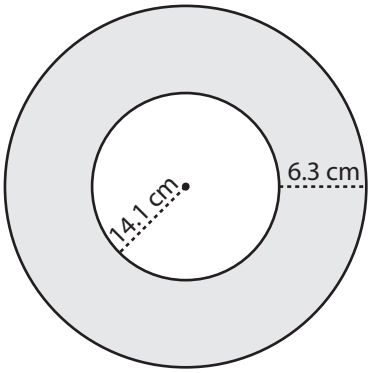
Area = _____

5)



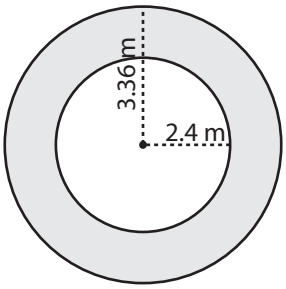
Area = _____

6)



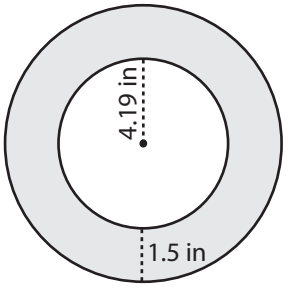
Area = _____

7)



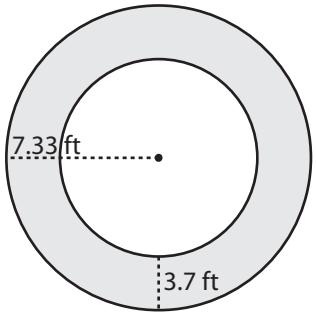
Area = _____

8)



Area = _____

9)



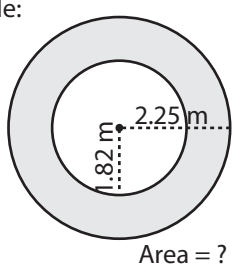
Area = _____

Name : _____ **Answer Key** Score : _____

Difficult: S1

Concentric Circle - Area

Example:



Area of shaded region = (Area of outer circle) - (Area of inner circle)

$= \pi R^2 - \pi r^2$

$= \pi (R^2 - r^2)$

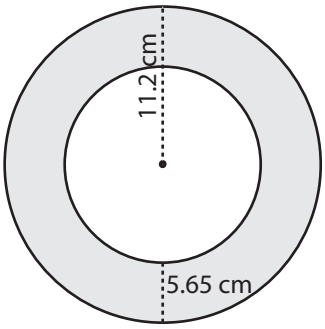
$= 3.14 \times (2.25^2 - 1.82^2)$

$= 3.14 \times (5.0625 - 3.3124)$

$= \mathbf{5.50\ m^2}$

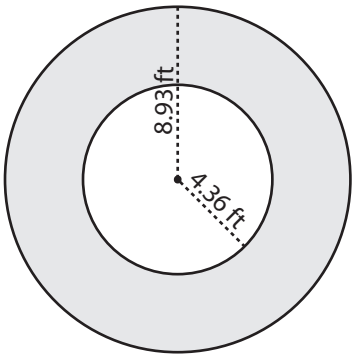
Find the area of each shaded region. Round the answer to two decimal places. (use π=3.14)

1)



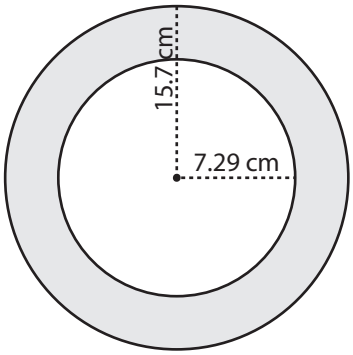
Area = **297.16 cm²**

2)



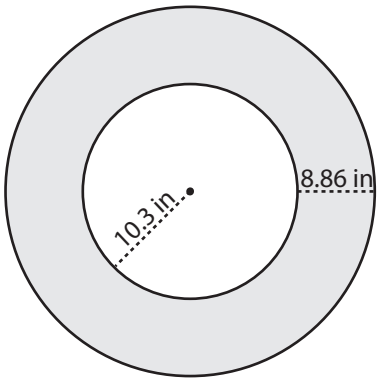
Area = **190.71 ft²**

3)



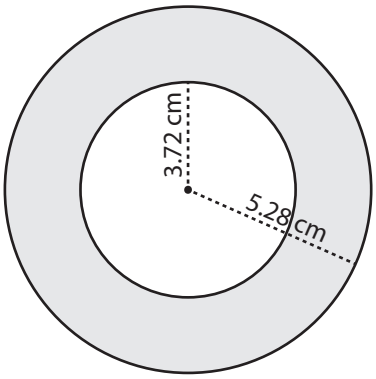
Area = **607.11 cm²**

4)



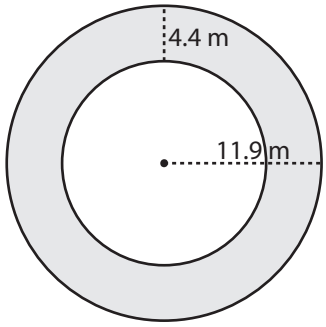
Area = **819.59 in²**

5)



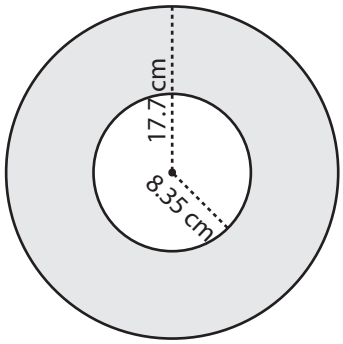
Area = **44.09 cm²**

6)



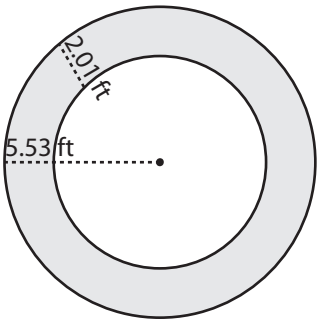
Area = **268.03 m²**

7)



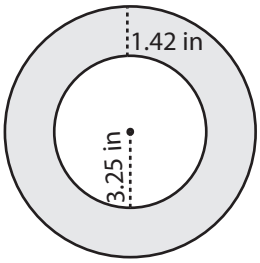
Area = **764.80 cm²**

8)



Area = **57.12 ft²**

9)



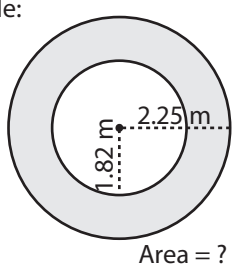
Area = **35.31 in²**

Name : _____ **Answer Key** Score : _____

Difficult: S2

Concentric Circle - Area

Example:



Area of shaded region = (Area of outer circle) - (Area of inner circle)

$= \pi R^2 - \pi r^2$

$= \pi (R^2 - r^2)$

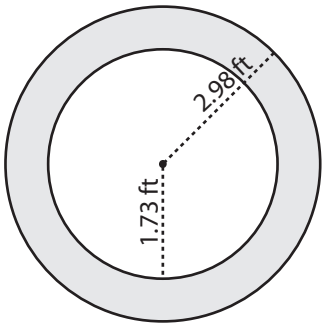
$= 3.14 \times (2.25^2 - 1.82^2)$

$= 3.14 \times (5.0625 - 3.3124)$

$= \mathbf{5.50\ m^2}$

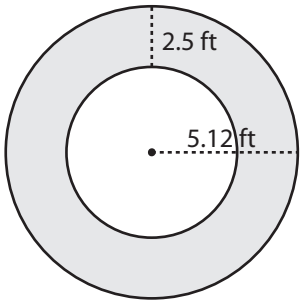
Find the area of each shaded region. Round the answer to two decimal places. (use π=3.14)

1)



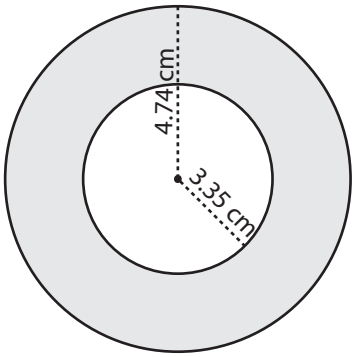
Area = **18.49 ft²**

2)



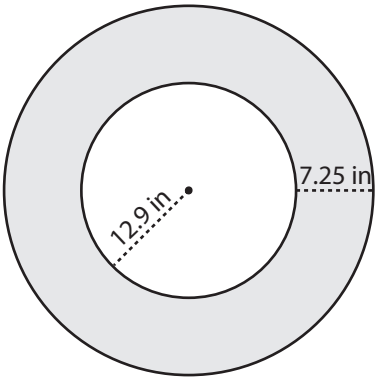
Area = **60.76 ft²**

3)



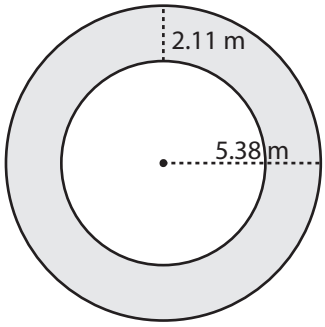
Area = **35.31 cm²**

4)



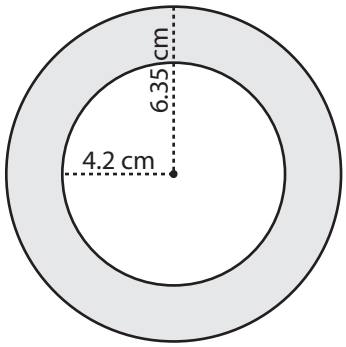
Area = **752.38 in²**

5)



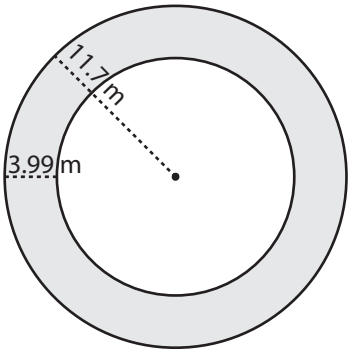
Area = **57.31 m²**

6)



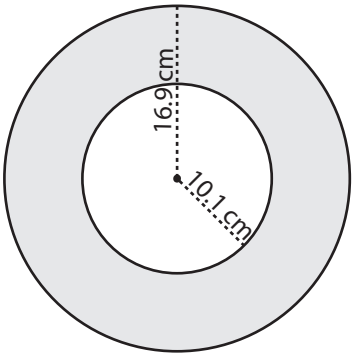
Area = **71.22 cm²**

7)



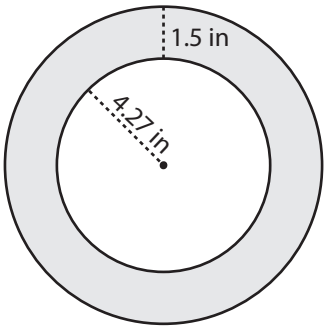
Area = **243.18 m²**

8)



Area = **576.50 cm²**

9)



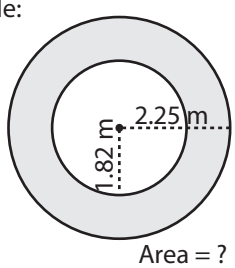
Area = **47.29 in²**

Name : _____ **Answer Key** Score : _____

Difficult: S3

Concentric Circle - Area

Example:



Area of shaded region = (Area of outer circle) - (Area of inner circle)

$= \pi R^2 - \pi r^2$

$= \pi (R^2 - r^2)$

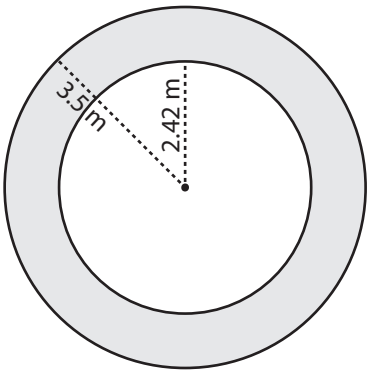
$= 3.14 \times (2.25^2 - 1.82^2)$

$= 3.14 \times (5.0625 - 3.3124)$

$= \mathbf{5.50\ m^2}$

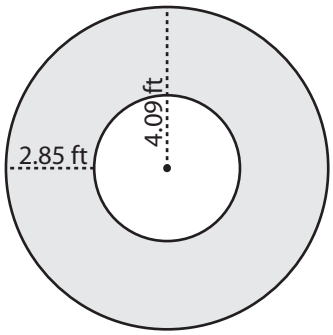
Find the area of each shaded region. Round the answer to two decimal places. (use π=3.14)

1)



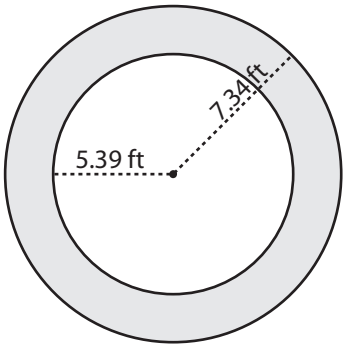
Area = **20.08 m²**

2)



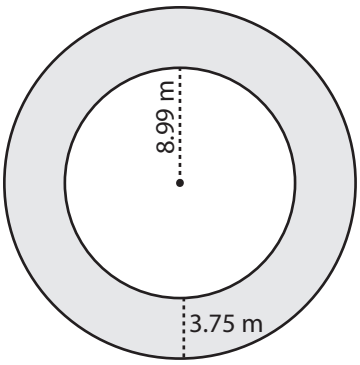
Area = **47.7 ft²**

3)



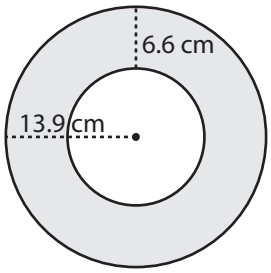
Area = **77.95 ft²**

4)



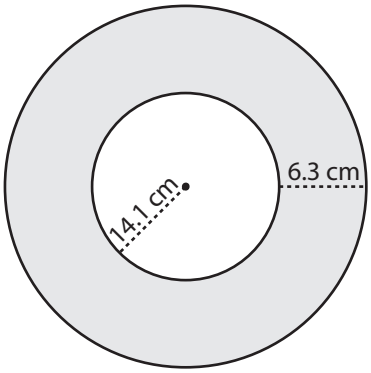
Area = **255.87 m²**

5)



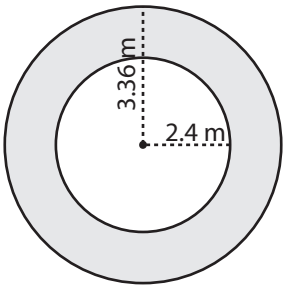
Area = **439.35 cm²**

6)



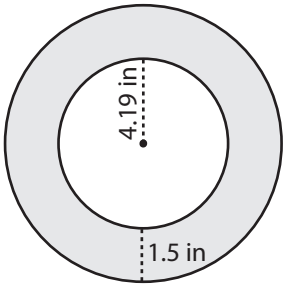
Area = **682.48 cm²**

7)



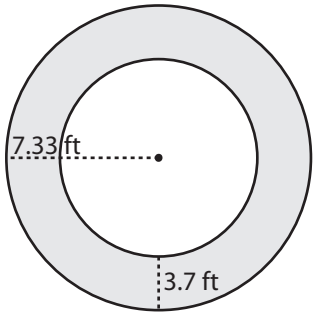
Area = **17.36 m²**

8)



Area = **46.53 in²**

9)



Area = **127.33 ft²**