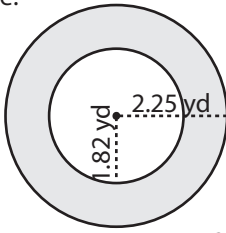


Concentric Circle - Area

Example:

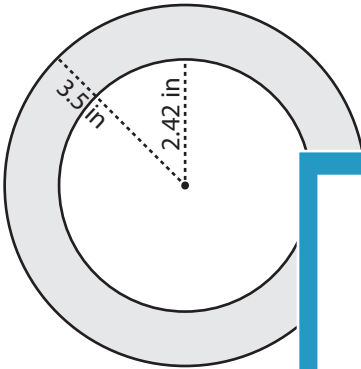


Area = ?

$$\begin{aligned} \text{Area of shaded region} &= (\text{Area of outer circle}) - (\text{Area of inner circle}) \\ &= \pi R^2 - \pi r^2 \\ &= \pi (R^2 - r^2) \\ &= 3.14 \times (2.25^2 - 1.82^2) \\ &= 3.14 \times (5.0625 - 3.3124) \\ &= \mathbf{5.50 \text{ yd}^2} \end{aligned}$$

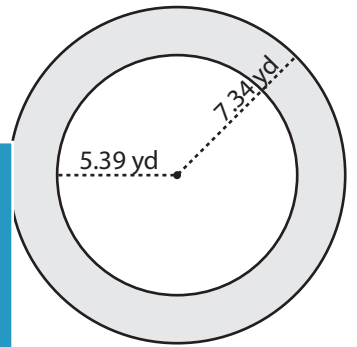
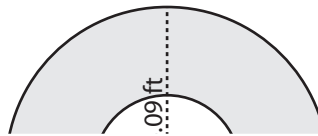
Find the area of each shaded region. Round your answer to two decimal places. (use $\pi = 3.14$)

1)



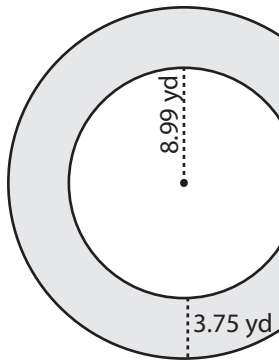
Area =

2)

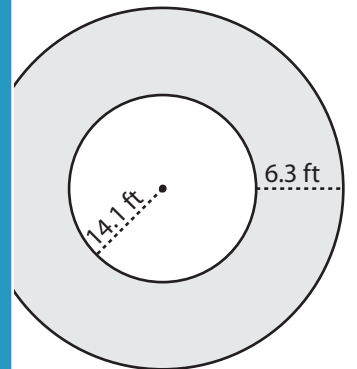


Area =

4)

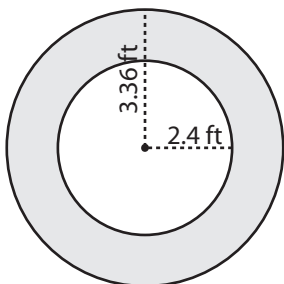


Area =

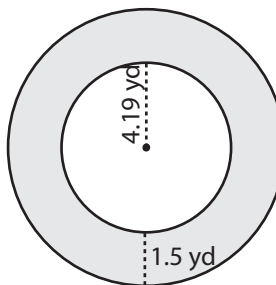


Area =

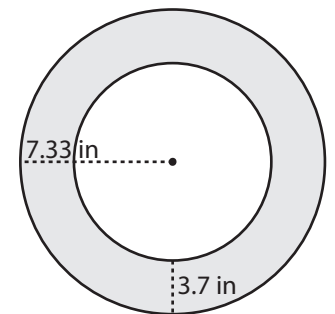
7)



Area =



Area =



Area =

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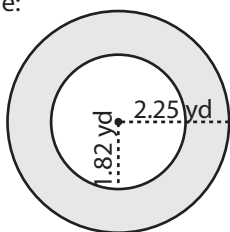
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Concentric Circle - Area

Example:

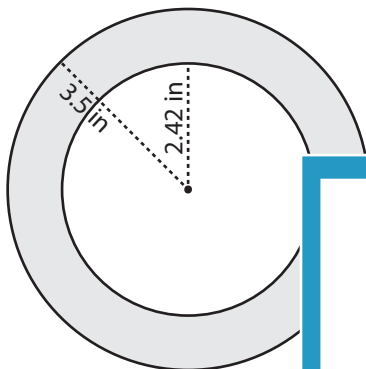


Area = ?

$$\begin{aligned} \text{Area of shaded region} &= (\text{Area of outer circle}) - (\text{Area of inner circle}) \\ &= \pi R^2 - \pi r^2 \\ &= \pi (R^2 - r^2) \\ &= 3.14 \times (2.25^2 - 1.82^2) \\ &= 3.14 \times (5.0625 - 3.3124) \\ &= \mathbf{5.50 \text{ yd}^2} \end{aligned}$$

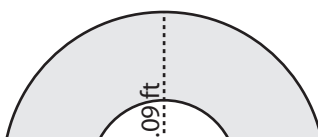
Find the area of each shaded region. Round your answer to two decimal places. (use $\pi = 3.14$)

1)

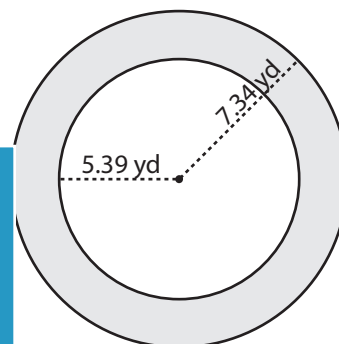


Area = **20.08 in²**

2)

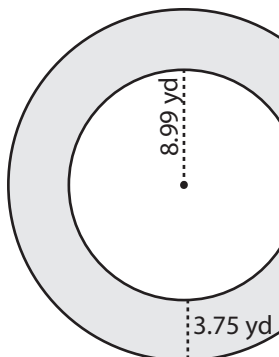


3)

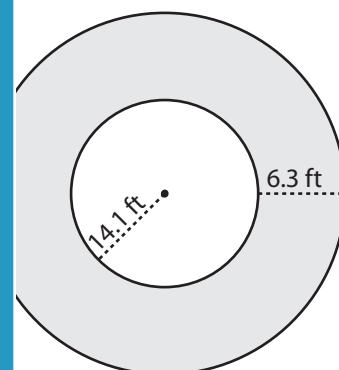


Area = **77.95 yd²**

4)

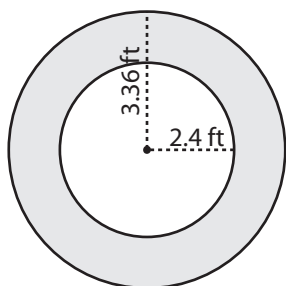


Area = **255.87 yd²**

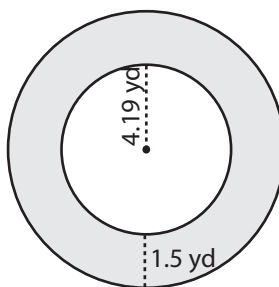


Area = **682.48 ft²**

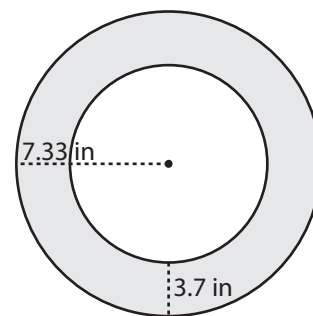
7)



Area = **17.36 ft²**



Area = **46.53 yd²**



Area = **127.33 in²**

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