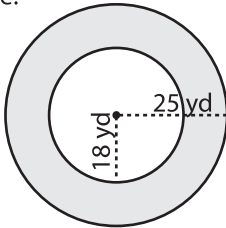Name : _____

Concentric Circle - Area

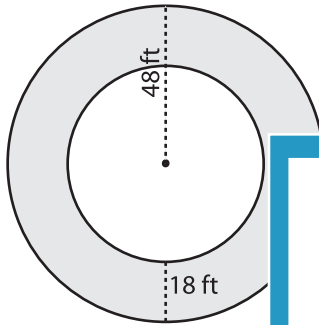Example:

25 yd

18 yd

Area = ?

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

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

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

$= 3.14 \times (25^2 - 18^2)$

$= 3.14 \times (625 - 324)$

$= \mathbf{945.1 \ yd^2}$

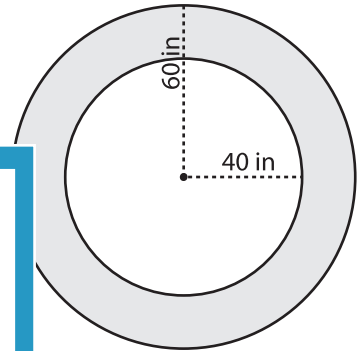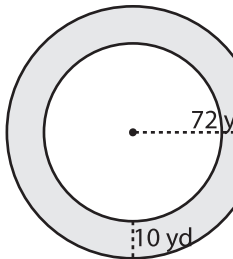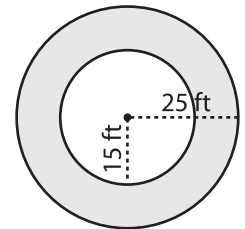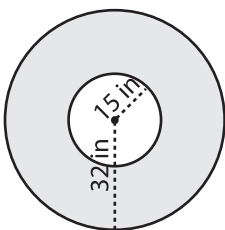Find the area of each shaded region. Round your answer to the nearest tenth. (use π = 3.14)
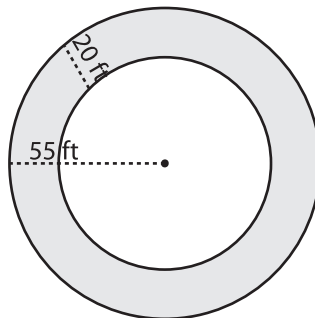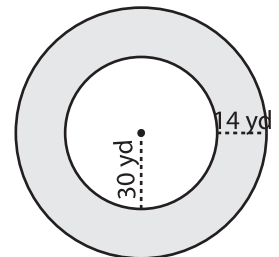
1)

48 ft

18 ft

Area = _____

2)

29.

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3)

60 in

40 in

Area = _____

4)

72 y

10 yd

Area = _____

25 ft

15 ft

Area = _____

7)

15 in

32 in

Area = _____

20 ft

55 ft

Area = _____

14 yd

30 yd

Area = _____