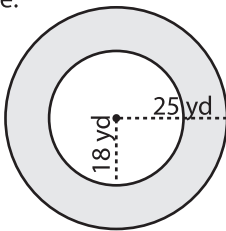Name : _____

Concentric Circle - Area

Example:

25 yd
18 yd

Area = ?

Area of shaded region = (Area of outer circle) - (Area of inner circle)
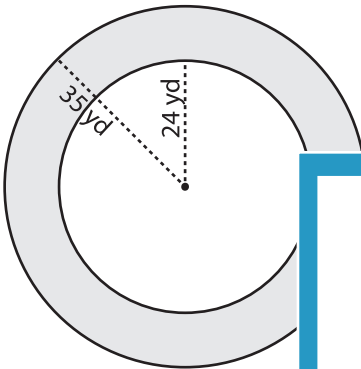
$$= \pi R^2 - \pi r^2$$
$$= \pi (R^2 - r^2)$$
$$= 3.14 \times (25^2 - 18^2)$$
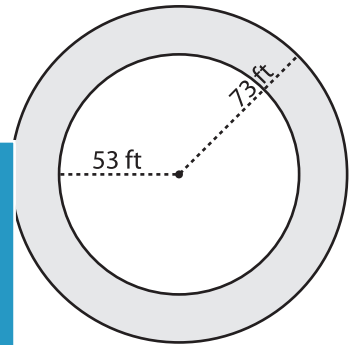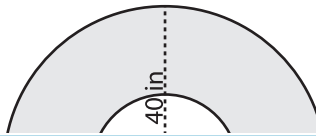$$= 3.14 \times (625 - 324)$$
$$= \textbf{945.1 yd}^2$$

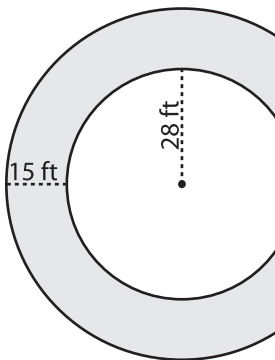Find the area of each shaded region. Round your answer to the nearest tenth. (use π = 3.14)

1)

35 yd
24 yd

Area = _____

2)

40 in

3)

73 ft
53 ft
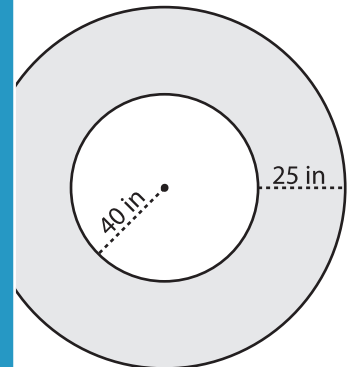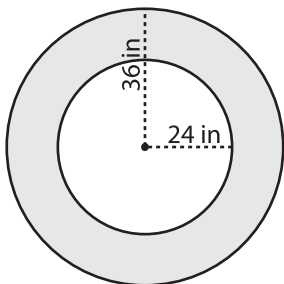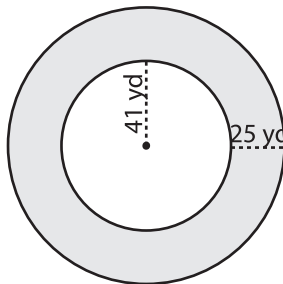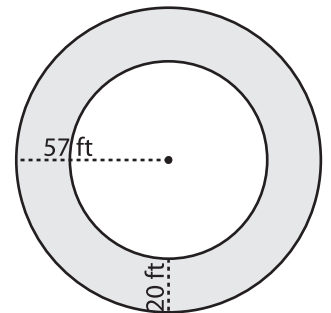
Area = _____

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4)

28 ft
15 ft

Area = _____

40 in   25 in

Area = _____

7)

36 in
24 in

Area = _____

41 yd
25 yd

Area = _____

57 ft
20 ft

Area = _____