

Part 4 Solutions

$$\textcircled{1} \quad r = 13 \text{ yd}$$

$$d = 26 \text{ yd}$$

$$\begin{aligned} C &= \pi(26) \\ &= 81.64 \\ &= 81.6 \text{ yd} \end{aligned}$$

$$\begin{aligned} A &= \pi(13)^2 \\ &= 530.66 \\ &= 530.7 \text{ yd}^2 \end{aligned}$$

$$\textcircled{2} \quad r = 7 \text{ m}$$

$$d = 14 \text{ m}$$

$$\begin{aligned} C &= \pi(14) \\ &= 43.96 \\ &= 44.0 \text{ m} \end{aligned}$$

$$\begin{aligned} A &= \pi(7)^2 \\ &= 153.86 \\ &= 153.9 \text{ m}^2 \end{aligned}$$

$$\textcircled{3} \quad r = 7 \text{ in}$$

$$d = 14 \text{ in}$$

$$\begin{aligned} C &= \pi(14) \\ &= 44.0 \text{ m} \end{aligned}$$

~~A~~

$$\begin{aligned} A &= \pi(7)^2 \\ &= 153.9 \text{ m}^2 \end{aligned}$$

$$\textcircled{4} \quad r = 10.2 \text{ m}$$

$$d = 20.4 \text{ m}$$

$$\begin{aligned} C &= 20.4(\pi) \\ &= 64.056 \\ &= 64.1 \text{ m} \end{aligned}$$

$$\begin{aligned} A &= \pi(10.2)^2 \\ &= 326.6856 \\ &= 326.7 \text{ m}^2 \end{aligned}$$