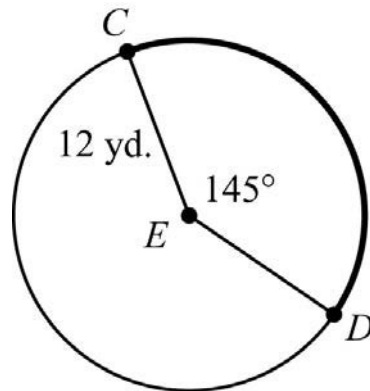


SAMPLE ITEMS

1. Circle E is shown.

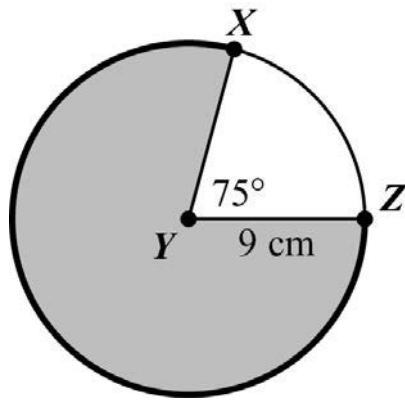


What is the length of \widehat{CD} ?

- A. $\frac{29}{72}\pi$ yd.
B. $\frac{29}{6}\pi$ yd.
C. $\frac{29}{3}\pi$ yd.
D. $\frac{29}{2}\pi$ yd.

Correct Answer: C

2. Circle Y is shown.

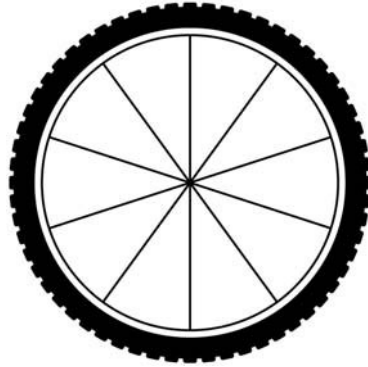


What is the area of the shaded part of the circle?

- A. $\frac{57}{4}\pi\text{ cm}^2$
- B. $\frac{135}{8}\pi\text{ cm}^2$
- C. $\frac{405}{8}\pi\text{ cm}^2$
- D. $\frac{513}{8}\pi\text{ cm}^2$

Correct Answer: D

3. The spokes of a bicycle wheel form 10 congruent central angles. The diameter of the circle formed by the outer edge of the wheel is 18 inches.



What is the length, to the nearest 0.1 inch, of the outer edge of the wheel between two consecutive spokes?

- A. 1.8 inches
- B. 5.7 inches
- C. 11.3 inches
- D. 25.4 inches

Correct Answer: B