

## 11-6 Solve It!

**SOLVE IT!** **Getting Ready!**

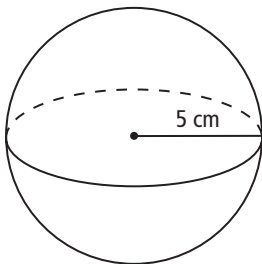
The three orange slices below were cut from three different oranges. Do you have sufficient information to tell which orange is the largest? If not, explain what information you would need.

Could the oranges all be the same size?

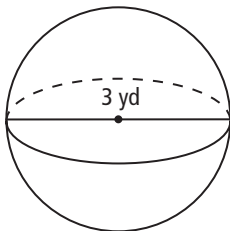
A 7 cm B 4 cm C 9 cm

## 11-6 Lesson Quiz

1. What is the surface area of the sphere in terms of  $\pi$ ?



2. What is the volume of the sphere in terms of  $\pi$ ?



3. **Do you UNDERSTAND?** The surface area of the globe in a teacher's homeroom is about  $1018 \text{ in.}^2$ . What is the diameter of the globe? Round to the nearest whole number.

### Answers

#### Solve It!

No; you need to know how far from the center of the orange each slice was cut.

#### Lesson Quiz

- $100\pi \text{ cm}^2$
- $4.5\pi \text{ yd}^3$
- about 18 in.