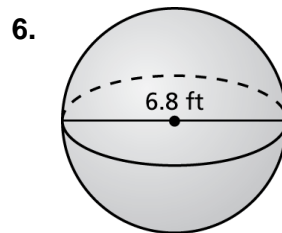
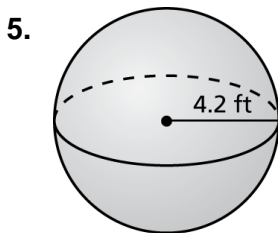
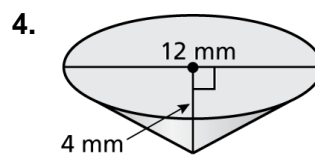
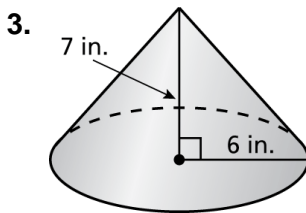
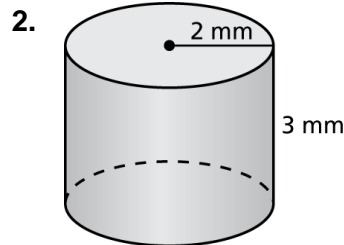
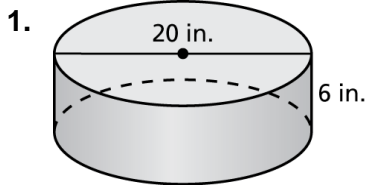


Chapter 8 Concept 27 Review

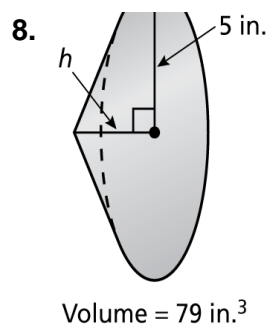
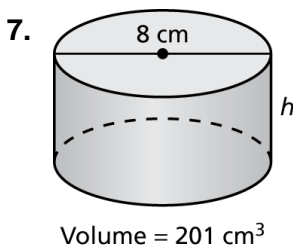
Find the volume of the solid. Round your answer to the nearest tenth.

Answers



1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

Find the missing dimension of the solid. Round your answer to the nearest tenth.



Find the radius of the sphere with the given volume.

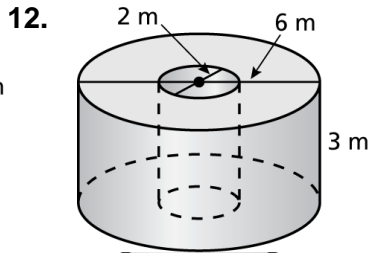
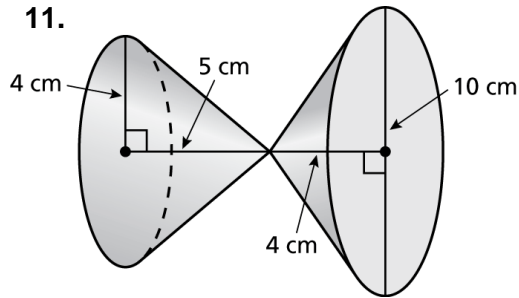
9. Volume = $\frac{1}{6}\pi \text{ ft}^3$

10. Volume = $\frac{32}{3}\pi \text{ yd}^3$

Chapter
8

Find the volume of the composite solid.

Answers



11. _____
 12. _____
 13. _____
 14. _____

13. A water cooler is in the shape of a cylinder with a diameter of 2 feet and a height of 3 feet. About how many gallons of water can the cooler contain? Round your answer to the nearest whole number.
 ($1 \text{ ft}^3 \approx 7.5 \text{ gal}$)

14. The volume of a cone is 6π cubic inches. What is the volume of a cylinder having the same base and same height? Explain your reasoning.