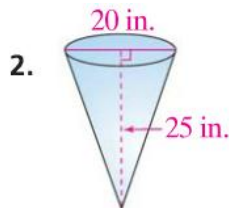
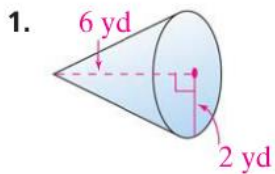


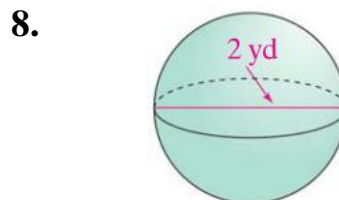
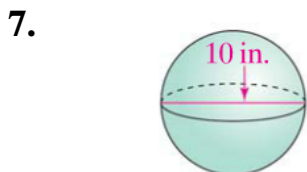
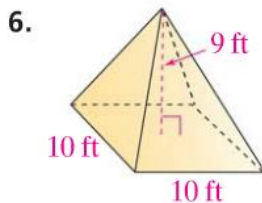
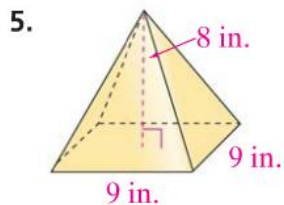
Volumes of Cones, Pyramids, and Spheres

Find each volume. Round to the nearest cubic unit.



3. Cone with height 12 cm, radius 21 cm

4. Cone with height 7 in., diameter 14 in.



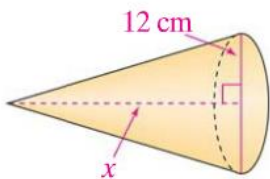
9. Tennis balls with a diameter of 2.5 in. are sold in cans of three. The can is a cylinder. What is the volume of the space in the can that is not occupied by tennis balls? Assume the tennis balls touch the can on the sides, top, and bottom.



10. You place a steel ball with diameter 4 cm in a water-filled cylinder that is 5 cm in diameter and 10 cm high. What volume of water will spill out of the cylinder?

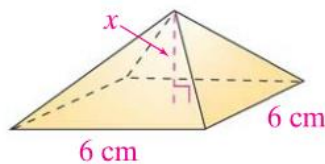
Find the missing dimension. Round to the nearest unit.

11.



$V = 819 \text{ cm}^3$
 Height \approx ■

12.



$V = 38 \text{ cm}^3$
 Height = ■