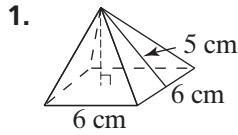
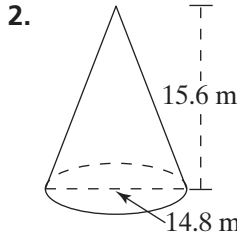


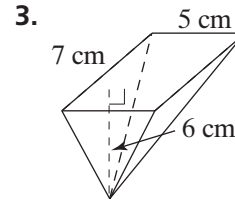
Practice 12-5

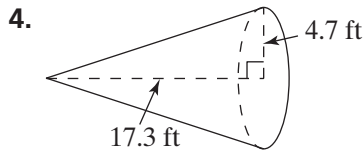
Volumes of Pyramids and Cones

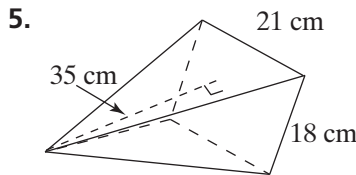
Find the volume of each figure to the nearest cubic unit.

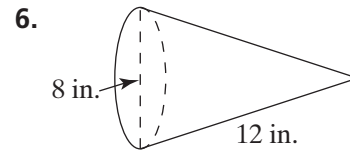












Find the missing dimension for each three-dimensional figure to the nearest tenth, given the volume and other dimensions.

7. rectangular pyramid,
 $l = 8$ m, $w = 4.6$ m, $V = 88$ m³

8. cone, $r = 5$ in., $V = 487$ in.³

9. square pyramid, $s = 14$ yd, $V = 489$ yd³

10. square pyramid, $h = 8.9$ cm, $V = 56$ cm³

11. Find the volume of a 4 ft by 2 ft by 3 ft rectangular prism with a cylindrical hole, radius 6 in., through the center.

12. Margarite has a cylindrical tin of popcorn that is 18 in. tall and has a radius of 4 in. She wants to use the tin for something else and needs to empty the popcorn into a box. The box is 8 in. long, 8 in. wide, and 14 in. tall. Will the popcorn fit in the box? Explain.

