

# WARM-UP EXERCISES

For use before Lesson 12.5, pages 751–758

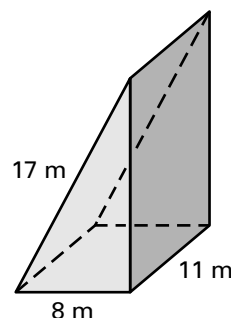
**Find the volume of the solid.**

1. cube, side lengths of 9
  2. cylinder, radius of 3 and height of 8
  3. cylinder, diameter of 12 and height of 2
  4. rectangular prism, length of 6, width of 11, height of 4
  5. triangular prism, base edges of length 4, height of 4
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## DAILY HOMEWORK QUIZ

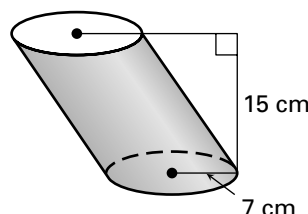
For use after Lesson 12.4, pages 743–750

1. Find the volume of the right prism.



2. Find the volume of a right cylinder that has a diameter of 12 yd and a height of 11 yd. Round the result to one decimal place.
3. A heptagonal prism has a base area of  $24 \text{ in.}^2$  and a height of 5 in. What is its volume?

4. Use Cavalieri's Principle to find the volume of the oblique cylinder. Leave the result in terms of  $\pi$ .



5. A right rectangular prism has a volume of  $385 \text{ m}^3$ . Its bases have sides of length 5 m and 7 m. What is its height?