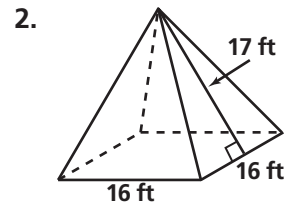
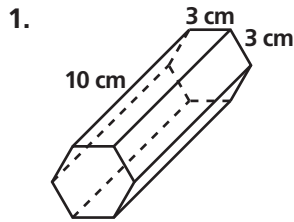


# Chapter Test

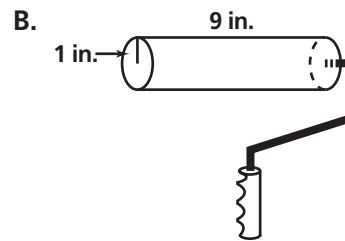
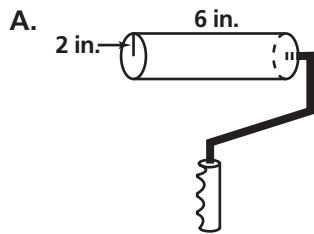
# Form G

## Chapter 11

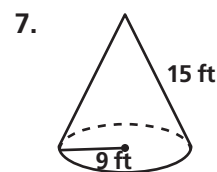
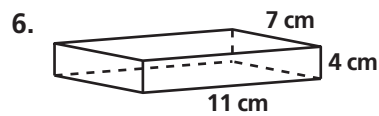
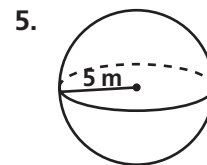
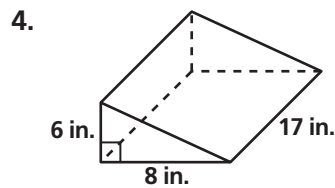
Draw a net for each figure. Label each net with its appropriate dimensions.



3. Paint roller A has a length of 6 in. and a radius of 2 in. Paint roller B has a length of 9 in. and a radius of 1 in. Which roller can spread more paint on a wall in one revolution? Explain, and give your calculations.



Find the volume and surface area of each figure to the nearest tenth.



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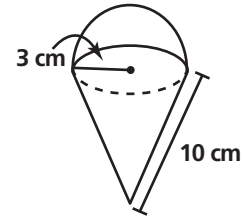
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# Chapter Test (continued)

# Form G

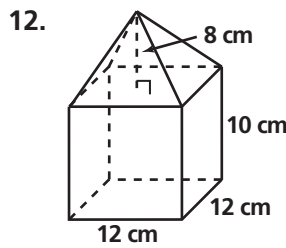
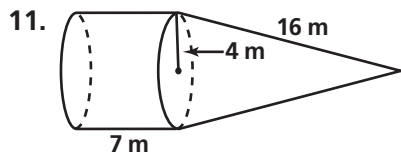
## Chapter 11

8. Refer to the figure at the right.
- What space figures can you use to approximate the shape of the ice-cream cone?
  - Find the entire figure's surface area to the nearest tenth.



9. Which has a greater volume: two regular cans of soup, each with a diameter of 6 cm and a height of 5 cm, or one family-size can of soup, which has a diameter of 8 cm and a height of 6 cm? Explain and give your calculations.
10. Two similar cylinders have heights of 3 cm and 4 cm. What is the ratio of their volumes?
- A.  $\frac{1}{8}$       B.  $\frac{3}{4}$       C.  $\frac{9}{16}$       D.  $\frac{27}{64}$

Find the surface area and volume of each figure to the nearest tenth.



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