

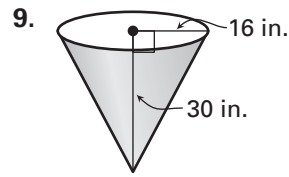
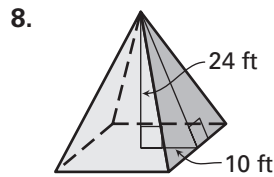
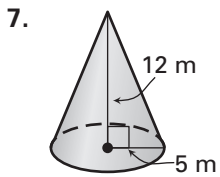
Practice A

For use with pages 491–499

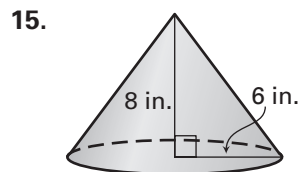
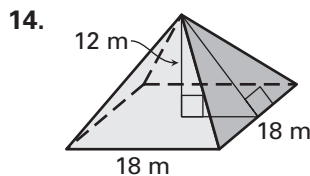
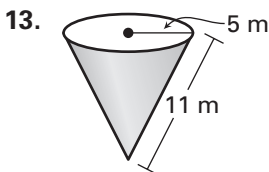
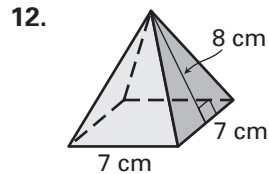
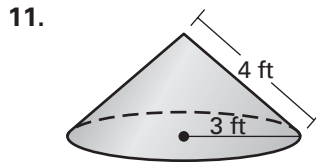
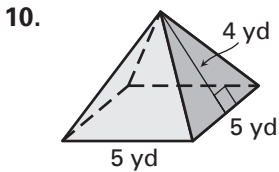
Match the words with the descriptive phrase.

- | | |
|---|------------------------------|
| 1. the perpendicular distance between the vertex and base of a pyramid | A. slant height of a cone |
| 2. the height of any of the lateral faces of a pyramid | B. surface area of a cone |
| 3. the sum of the area of the base and the area of the lateral faces of a pyramid | C. height of a pyramid |
| 4. the perpendicular distance between the vertex and the base of a cone | D. surface area of a pyramid |
| 5. the distance between the vertex and a point on the base edge of a cone | E. height of a cone |
| 6. the sum of the area of the base and the lateral area of a cone | F. slant height of a pyramid |

Find the slant height of the solid.



Find the surface area of the solid. If necessary, round your answer to the nearest whole number.



16. A paper coffee filter has a radius of 6 centimeters and a slant height of 12 centimeters. Find the surface area of the filter. Round your answer to the nearest whole number.

