

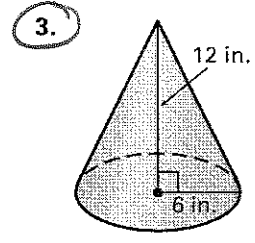
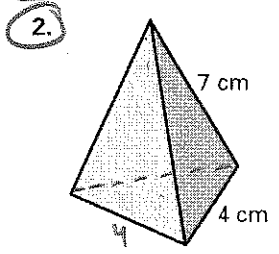
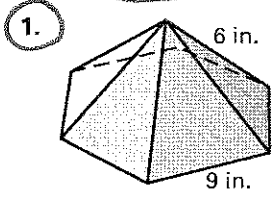
Practice B

For use with pages 752–758

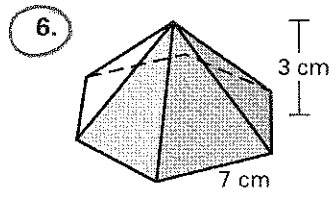
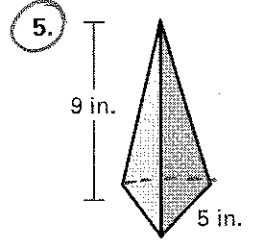
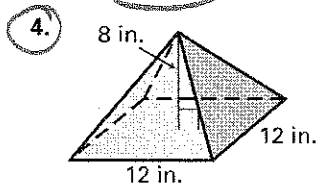
Volume Practice

Lesson 12.5

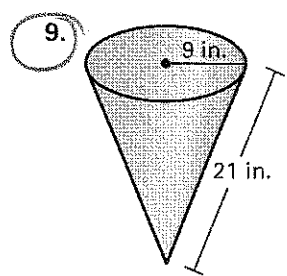
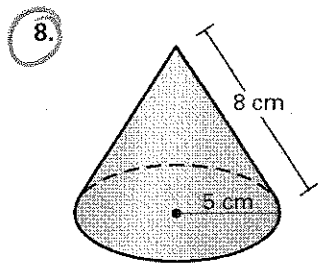
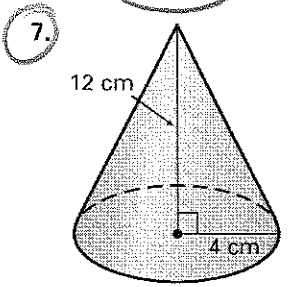
Find the area of the base of the regular pyramid or cone.



Find the volume of the pyramid. Each pyramid has a regular polygon for a base.



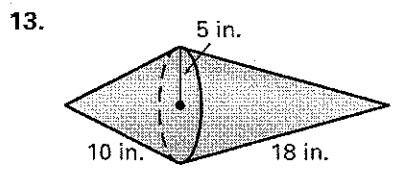
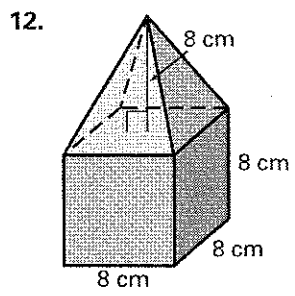
Find the volume of the cone. Round the result to two decimal places.



10. **Concrete** To complete a construction job, a contractor needs 145 more cubic yards of concrete. If there remains a conical pile of concrete mix measuring 36 feet in diameter and 12 feet high, is there enough concrete still on the job site to finish the job? Explain your reasoning.

11. **Pyramid** The limestone blocks from which an ancient pyramid was made weigh about 2 tons per cubic yard. Find the approximate weight of the pyramid having a square base of length 250 yards and a height of 150 yards.

Find the volume of the solid. Each prism is right. Round your result to one decimal place.



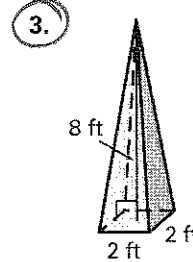
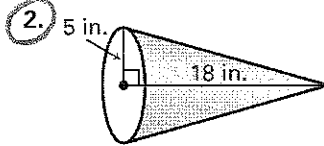
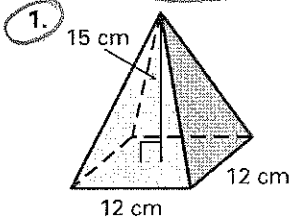
Handwritten student work and scribbles at the bottom of the page, including numbers 1 through 13 and various mathematical symbols and calculations.

Practice B

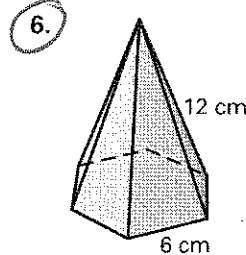
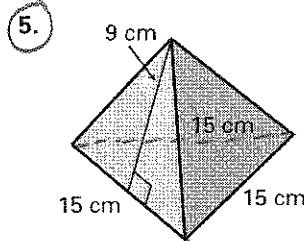
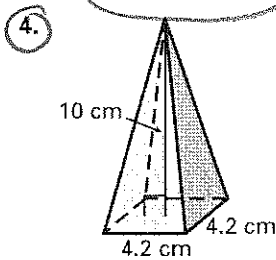
For use with pages 735-742

S.A. Practice

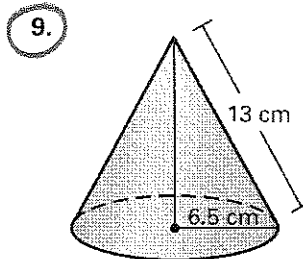
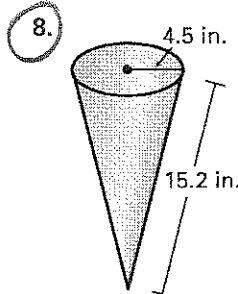
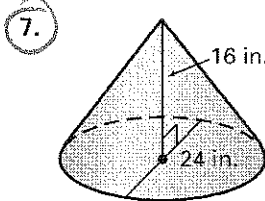
Find the slant height l of the regular pyramid or cone.



Find the surface area of the regular pyramid.



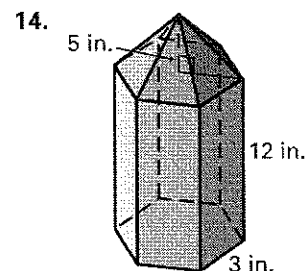
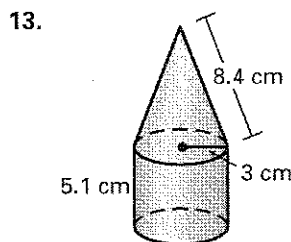
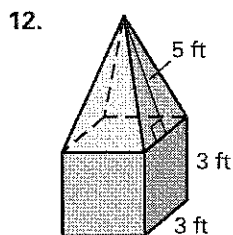
Find the surface area of the right cone. Leave your answers in terms of π .



Sketch the described solid and find its surface area. Round the result to one decimal place.

- 10. A regular pyramid has a square base with a base edge of 10 centimeters and a height of 6 centimeters.
- 11. A right cone has a diameter of 14 centimeters and a slant height of 11 centimeters.

Find the surface area of the solid. The pyramids are regular and the prisms, cylinders, and cones are right. Round the result to one decimal place.



Handwritten student work and scribbles at the bottom of the page, including some numbers and symbols.