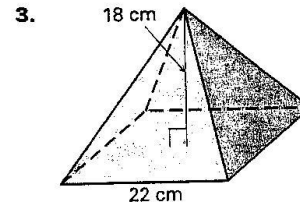
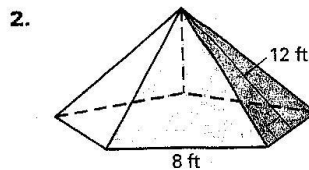
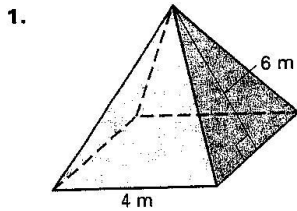


Name _____

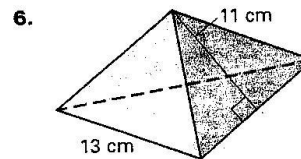
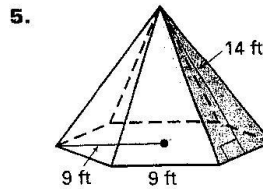
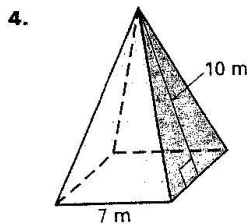
Date _____

LESSON 12.3 Practice B
For use with pages 810–817

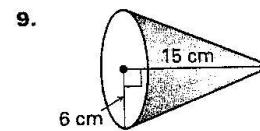
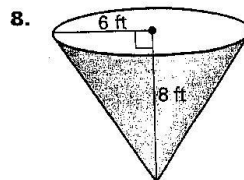
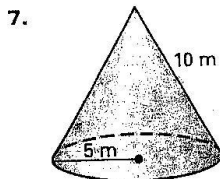
Find the area of each lateral face of the regular pyramid. Round your answer to two decimal places.



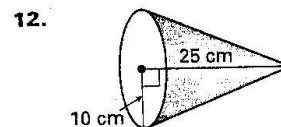
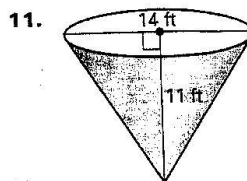
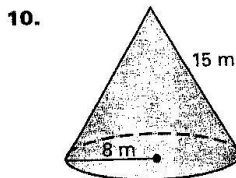
Find the surface area of the regular pyramid. Round your answer to two decimal places.



Find the lateral area of the right cone. Round your answer to two decimal places.



Find the surface area of the right cone. Round your answer to two decimal places.



13. **Multiple Choice** The surface area of a regular pyramid with a square base is 1536 square meters. The base edge length is 24 meters and the slant height is 20 meters. What is the height of the pyramid?

- A. 8 meters B. 12 meters C. 16 meters D. 20 meters

Name _____

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LESSON
12.3

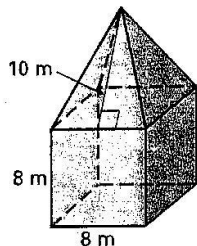
Practice B *continued*
For use with pages 810–817

Sketch the described solid and find its surface area. Round your answer to two decimal places.

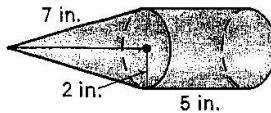
14. A regular pyramid has a slant height of 12 inches. Its base is a square with a base edge length of 18 inches.
15. A regular pyramid has a height of 10 inches. Its base is an equilateral triangle with a base edge length of 12 inches.
16. A right cone has a radius of 3 feet and a height of 9 feet.
17. A right cone has a diameter of 12 meters and a slant height of 9 meters.

Find the surface area of the solid. The pyramids are regular and the cones are right. Round your answer to two decimal places.

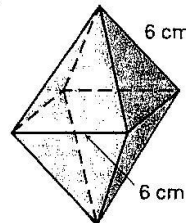
18.



19.



20.



In Exercises 21–23, use the following information.

Great Pyramid of Khufu The Great Pyramid of Khufu is located in El Giza, Egypt. Pyramids were built to serve as tombs for the pharaohs of ancient Egypt. The Great Pyramid is 481 feet high and has a square base with a base edge length of 756 feet. Round your answers to two decimal places.

21. Approximate the slant height of the Great Pyramid.
22. Approximate the area of each lateral face of the Great Pyramid.
23. Approximate the surface area of the Great Pyramid.

