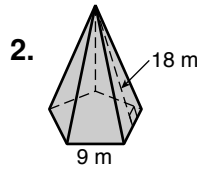
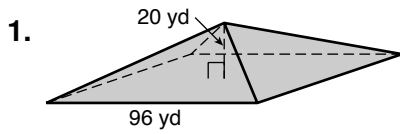


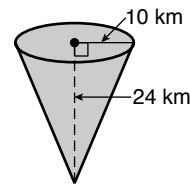
**LESSON** **Practice B**  
**10-5** **Surface Area of Pyramids and Cones**

Find the lateral area and surface area of each regular right solid. Round to the nearest tenth if necessary.



3. a regular hexagonal pyramid with base edge length 12 mi and slant height 15 mi

Find the lateral area and surface area of each right cone. Give your answers in terms of  $\pi$ .

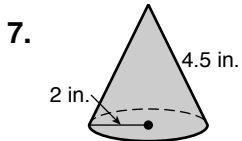


4. \_\_\_\_\_

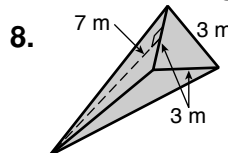
5. a right cone with base circumference  $14\pi$  ft and slant height 3 times the radius

6. a right cone with diameter 240 cm and altitude 35 cm

Describe the effect of each change on the surface area of the given figure.

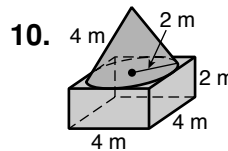
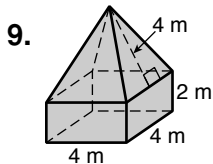


The dimensions are multiplied by  $\frac{1}{5}$ .



The dimensions are multiplied by  $\frac{3}{2}$ .

Find the surface area of each composite figure. Round to the nearest tenth if necessary.



11. The water cooler at Mohammed's office has small conical paper cups for drinking. He uncurls one of the cups and measures the paper. Based on the diagram of the uncurled cup, find the diameter of the cone.

