

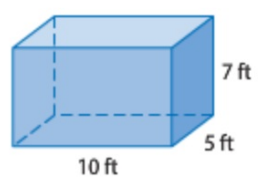
Geometry Ch. 12  
Quiz today 12.5-12.6  
Quiz Wed. 12.8  
Test Fri. Ch. 12

Project Tues./Wed. due Fri.

Formulas will not be provided  
(Which ones do you need?)

Whiteboards

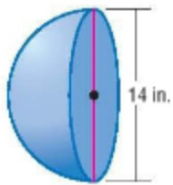
Find the surface area of the rectangular prism.



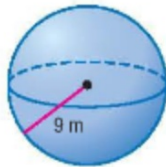
## 12-6 Surface Areas and Volumes of Spheres

Find the surface area of each figure.

26.



27.



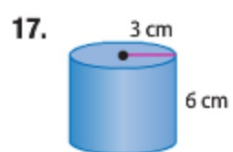
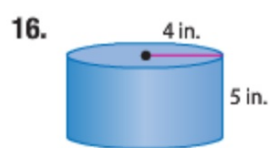
SA & V

29. sphere: area of great circle =  $55\pi \text{ in}^2$

SA & V

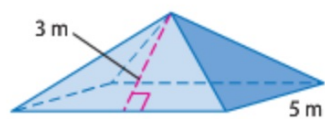
Find the volume of a cone that has a radius of 1 cm and a height of 3.4 cm.

Find the lateral area and surface area of each cylinder. Round to the nearest tenth.

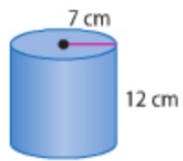


### Example 3

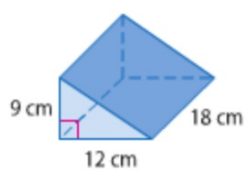
Find the surface area of the square pyramid. Round to the nearest tenth.



Find the volume of the cylinder.

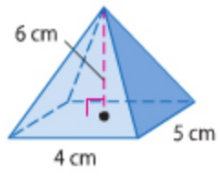






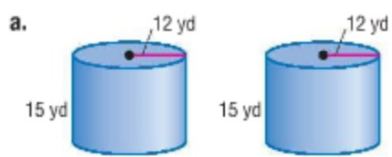
**Example 5**

Find the volume of the pyramid.

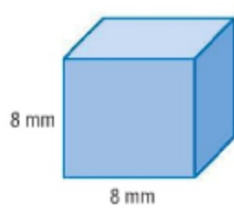
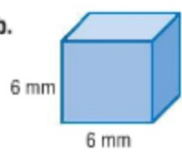


### Example 8

Determine whether each pair of solids is similar, congruent, or neither. If the solids are similar, state the scale factor.



**b.**



40.

