**8.** An ice cube that measures 2.5 centimeters on each side contains how many cubic centimeters of ice? Include correct units with your solution.  
   
**9.** How many cubic inches of air can a fully inflated basketball hold if its radius is 5.2 inches? Give solution accurate to the nearest hundredth. Include correct units with your solution.

**10.** Find the approximate value of the volume of the right circular cone with a circular base shown below. Approximate your solution to the nearest hundredth.

