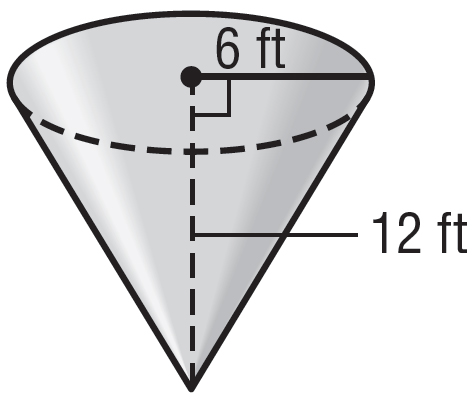
**Lesson 2 Reteach**

***Volume of Cones***

|  |
| --- |
| A **cone** is a three-dimensional shape with one circular base.  The volume *V* of a cone with radius *r* is one third the area of the base *B* times the height *h*.  *V = Bh* or *V* = *πr*2*h* |

**Example**

**Determine the volume of the cone. Round to the nearest tenth.**



*V = πr2h* Volume of a cone

*V =* (π • 62 • 12) *r* = 6 and *h* = 12

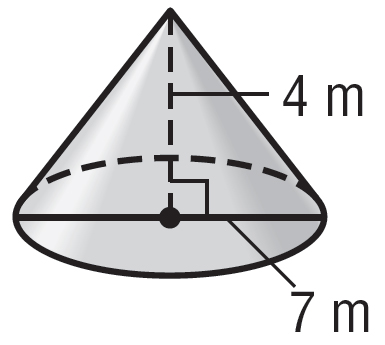
*V* ≈ 452.4 Simplify.

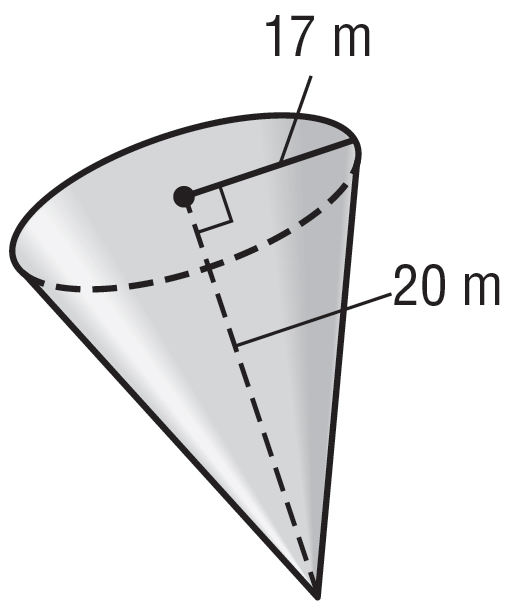
The volume is about 452.4 cubic feet.

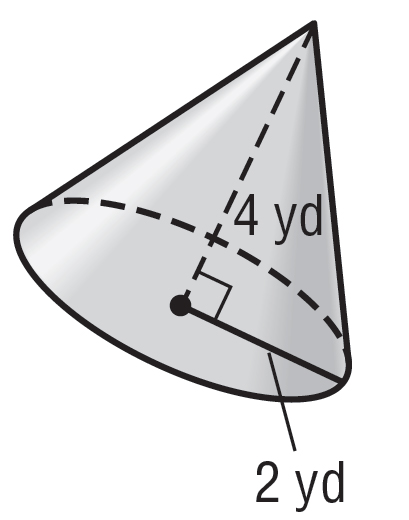
**Exercises**

**Determine the volume of each cone. Round to the nearest tenth.**

**1. 2. 3.**







**4. 5. 6.**

