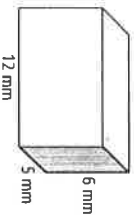


## 11-4 Additional Problems

Volumes of Prisms and Cylinders

### Problem 1

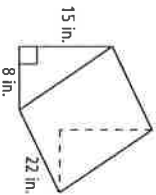
What is the volume of the prism below?



### Problem 2

What is the volume of the triangular prism?

- A.  $1472 \text{ in.}^3$
- B.  $1320 \text{ in.}^3$
- C.  $1184 \text{ in.}^3$
- D.  $960 \text{ in.}^3$

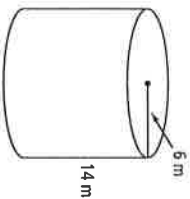


## 11-4 Additional Problems (continued)

Volumes of Prisms and Cylinders

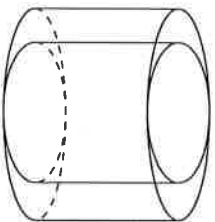
### Problem 3

Find the volume of the cylinder in terms of  $\pi$ .



### Problem 4

A lab technician made a 14 cm diameter hole through the middle of a cylinder that has a diameter of 20 cm and a height of 18 cm. What is the approximate volume of the finished cylinder?

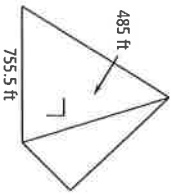


# 11-5 Additional Problems

Volumes of Pyramids and Cones

## Problem 1

The Great Pyramid of Giza is the largest of the original Seven Wonders of the World. The pyramid originally had the dimensions shown below. What was the approximate volume of the Great Pyramid?



## Problem 2

What is the volume in cubic yards of a square pyramid with base edges 18 yd and slant height 15 yd?

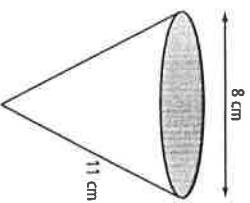


# 11-5 Additional Problems (continued)

Volumes of Pyramids and Cones

## Problem 3

About how many cubic centimeters of water does the paper drinking cup hold?



## Problem 4

What is the volume of the oblique cone below? Give your answer in terms of  $\pi$  and also rounded to the nearest cubic inch.

