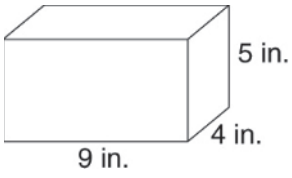
Name _____ Date _____ Class _____

LESSON 10-2

Volume of Triangular Prisms and Pyramids

Practice and Problem Solving: D

Find the volume. Be sure to include the units. The first one is done for you.

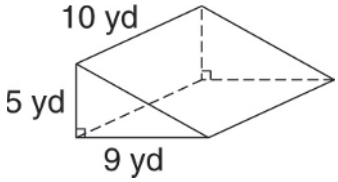
1. 

Volume = base area × height

= length × width × height

= **9 in.** × **4 in.** × **5 in.**

= **180 cubic inches**

2. 

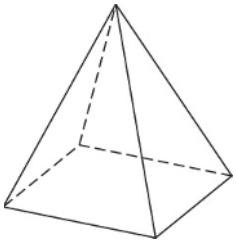
Volume = base area × height

$= \frac{1}{2} \times$ length × width × height

$= \frac{1}{2} \times$ _____ × _____ × _____

= _____

Find the volume. Be sure to include the units. The first one is done for you.

3. 

Base area: 6 feet × 6 feet =

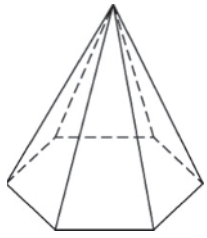
36 square feet

Height: 9 feet

Volume $= \frac{1}{3} \times$ base area × height

$= \frac{1}{3} \times$ **36 feet** × **9 feet**

= **108 cubic feet**

4. 

Base area: 24 square meters

Height: 8 meters

Volume $= \frac{1}{3} \times$ base area × height

$= \frac{1}{3} \times$ _____ × _____

= _____

Find the missing measurement.

5. Volume of a pyramid: 75 cubic feet.

Base Area: 15 square feet

Height: _____

6. Volume of a prism: 120 cubic meters

Height: 20 meters

Base Area: _____