Name _____ Date _____ Class_____
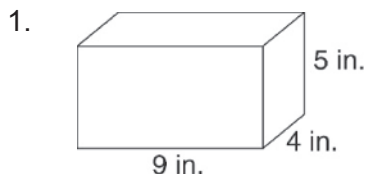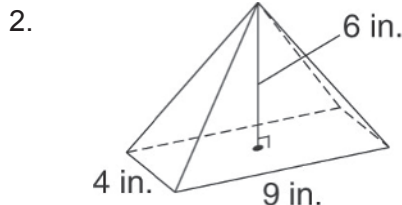
Volume of Rectangular Prisms and Pyramids

Practice and Problem Solving: D

**Find the volume of each figure. Choose the letter for the best answer.
The first one is done for you.**

1.

5 in.

4 in.

9 in.
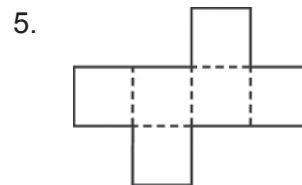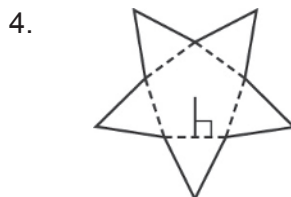
A 18 in³

Ⓒ 180 in³

B 54 in³

2.

6 in.

4 in.

9 in.

F 19 in³

H 216 in³

G 72 in³

**Identify the three-dimensional shape that can be formed from
each net.**

3.

___rectangular prism___

4.

_____

5.

_____

Solve. The first one is done for you.

6. The base of a square pyramid is 6 meters
on each side. The pyramid has a height
of 12 meters. What is the volume of
the pyramid?

$$V = \frac{1}{3}Bh$$

$$V = \frac{[\,1\,]}{[\,3\,]}([\,6\,] \times [\,6\,]) \times [\,12\,]$$

$$V = [\quad 12 \quad] \times 12$$

$$V = [\quad 144 \quad]$$

The volume of the pyramid is _____ m³.

7. The volume of a rectangular prism is
192 cm³. The prism has a base that is
16 cm by 3 cm. What is the height of
the prism?

$$V = Bh$$

$$[\qquad] = ([\quad] \times [\quad]) \times h$$

$$192 \div [\quad] = h$$

$$[\quad] = h$$

The height is _____ cm.