

# 8 Chapter Review



## Review Key Vocabulary

solid, p. 356  
 polyhedron, p. 356  
 face, p. 356  
 edge, p. 356

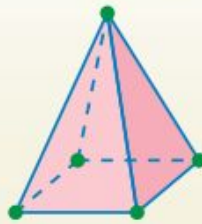
vertex, p. 356  
 prism, p. 356  
 pyramid, p. 356  
 surface area, p. 362

net, p. 362  
 volume, p. 374

## Review Examples and Exercises

### 8.1 Three-Dimensional Figures (pp. 354–359)

a. Find the number of faces, edges, and vertices of the solid.



The solid has **1 face** on the bottom and **4 faces** on the sides.

The faces intersect at **8 different line segments**.

The edges intersect at **5 different points**.

∴ So, the solid has 5 faces, 8 edges, and 5 vertices.

b. Draw a triangular prism.

Draw identical triangular bases.



Connect corresponding vertices.



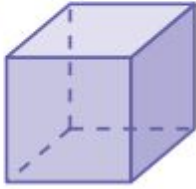
Change any *hidden* lines to dashed lines.



## Exercises

Find the number of faces, edges, and vertices of the solid.

1.

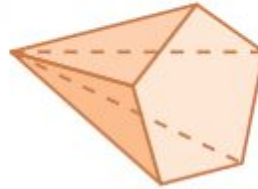


Faces: \_\_\_\_\_

Edges: \_\_\_\_\_

Vertices: \_\_\_\_\_

2.



Faces: \_\_\_\_\_

Edges: \_\_\_\_\_

Vertices: \_\_\_\_\_

**Draw the solid.**

3. square pyramid

4. hexagonal prism



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