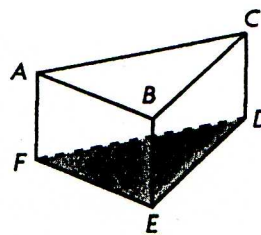


## Faces, Edges, and Vertices III

For Exercises 1–8, use the figure at the right.



1. Name the vertices.

\_\_\_\_\_

\_\_\_\_\_

2. Name the edges.

\_\_\_\_\_

\_\_\_\_\_

4. Name the figure.

\_\_\_\_\_

\_\_\_\_\_

3. Name the faces.

\_\_\_\_\_


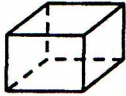
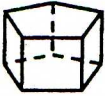



\_\_\_\_\_

5. Is the figure a polyhedron?  
Explain why.

\_\_\_\_\_

\_\_\_\_\_

Complete the table.

						
	Pentagonal Pyramid	Rectangular Prism	Pentagonal Prism	Triangular Pyramid	Triangular Prism	Rectangular Pyramid
6. Number of edges						
7. Number of faces						
8. Number of vertices						

### Mixed Applications

9. Scott wants to paint a rectangular prism so no two faces have the same color. What is the least number of colors he needs?

\_\_\_\_\_

10. A survey showed that  $\frac{2}{5}$  of the 160 sixth-grade students play soccer. How many students is that?

\_\_\_\_\_