

Name \_\_\_\_\_

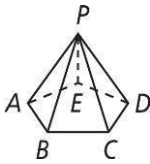
Class \_\_\_\_\_ Date \_\_\_\_\_

## HW-50

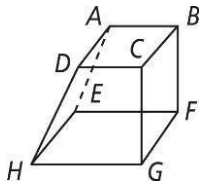
### Space Figures and Cross Sections

For each polyhedron, how many vertices, edges, and faces are there? List them.

1.



2.



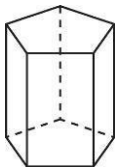
For each polyhedron, use Euler's Formula to find the missing number.

3) Edges 12                  Vertices 8                  Faces = -----

4) Faces 9                  Vertices 14                  Edges = -----

5) Faces 10                  Edges 18                  Vertices = \_\_\_\_\_

6. Verify Euler's Formula for the polyhedron. Then draw a net for the figure and verify Euler's Formula for the two-dimensional figure.



**Describe each cross section.**

