

(10)

## Chapter 10: Visualizing Solid Shapes.

- 1) How many faces does a polyhedron with 20 vertices and 30 edges?
- 2) A polyhedron has 9 vertices and 15 edges, find its number of faces?
- 3) A polyhedron has twenty faces and thirty edges. How many vertices does this polyhedron have?
- 4) Verify Euler's formula for the square pyramid.
- 5) Verify Euler's formula for the triangular prism.