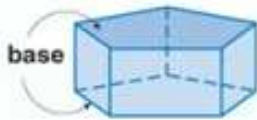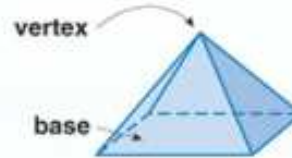# 1.7 3-Dimensional Figures

Polyhedrons

A **prism** is a polyhedron with two parallel congruent faces called **bases** connected by parallelogram faces.
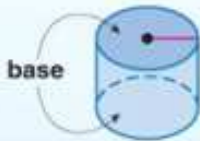
A **pyramid** is a polyhedron that has a polygonal base and three or more triangular faces that meet at a common vertex.
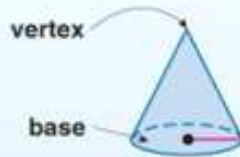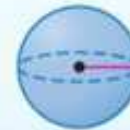
Not Polyhedrons

A **cylinder** is a solid with congruent parallel circular bases connected by a curved surface.
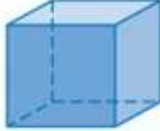
A **cone** is a solid with a circular base connected by a curved surface to a single vertex.

A **sphere** is a set of points in space that are the same distance from a given point. A sphere has no faces, edges, or vertices.

Clickers!!!!

Key Concept	Platonic Solids			
Tetrahedron	**Hexahedron or Cube**	**Octahedron**	**Dodecahedron**	**Icosahedron**
4 equilateral triangle faces	6 square faces	8 equilateral triangular faces	12 regular pentagonal faces	20 equilateral triangular faces

Nets Activity

Pg. 75A, B