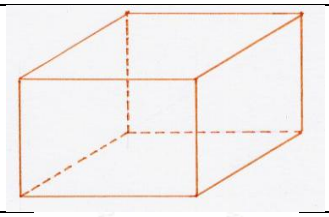
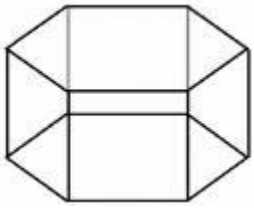
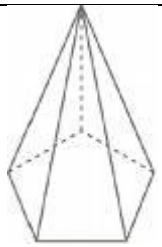
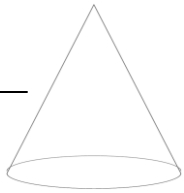
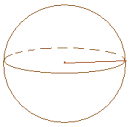
Friday August 28, 2009

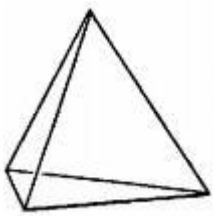
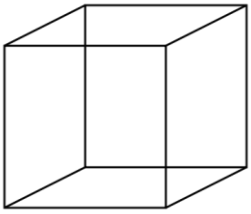
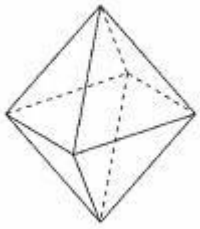
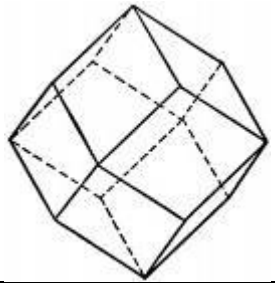
Solid Figures

A polyhedron figure with flat faces that are polygons is called a **Polyhedron**.	
A **Prism** is a solid figure that has 2 congruent Polygons as bases. All other faces of a prism are rectangles. Prisms are named by the polygons that form their bases.	 Hexagonal Prism
A **Pyramid** is a Polyhedron with only one base. All of the other faces are Triangles that meet at the same vertex. The pyramid is named for the polygon that forms its base.	 Pentagonal Pyramid
A solid with curved surfaces is not a Polyhedron. A **cylinder** has two flat circular bases and one curved surface. A **cone** has one flat circular base and one curved surface. A **Sphere** has no bases and one curved surface.	Cylinder  Cone  Sphere

Monday August 31, 2009

Platonic Solids

There are **Five** Basic Platonic Solids.

A **Tetrahedron** has ___4___ faces, ___4_____ vertices, and _____6_____ edges.	
A **Cube** has _____6_____ faces, _____8___ vertices, and __12_____edges.	
An **Octahedron** has _____8____ faces, _____6_____ vertices, and _____12_____ edges.	
A **Dodecahedron** has __12_____ faces, _____20_____ vertices, and _____30_____ edges.	
An **Icosahedron** has _____20_____ faces, _____12_____ vertices, and ____30_____edges.	