* Read p 520 - 524 to till in the blanks
Geometry 10.1 Notes: The Geometry of Solids Name
Polyhedron - A closed solid formed by Polygons. Face - polygonal surface. Edge - Line where two faces meet. Vertex - point of intersection of or more _edges Naming Polyhedrons Regular octahedron
Based on the number of <u>faces</u> (except for prisms and pyramids which are named for their base)
• Use a prefix like with polygons except for tetrahedron which has 4 faces.
 Faces are <u>Regular</u> polygons. Faces are <u>Conscient</u> to each other. Faces meet at each <u>VCV-CX</u> in exactly the same way.
Special Polyhedrons Prism Has two bases that are congruent and parallebolygons. All other faces are called lateral faces. Lateral face meet at lateral edges.
Right Prism - Lateral faces are Olio . Oblique Prism - Not Olio . Altitude - Any of the other base. Height - The of the altitude.
Has one base Lateral faces meet at one point called the <u>Vevtex</u> .
Other Geometric Solids Cylinder – has two congruent circular bases with a curved lateral surface. Axis – the segment connecting the Oenter of the bases. Radius – the radius of a base. Right Cylinder – the axis is Oero to each base. Oblique Cylinder – Not
Cone – has circular base and a curved lateral surface.
Vertex – the point furthest from the base. Altitude – the point furthest from the vertex to the plane of the base.
Altitude – the segment from the vertex to the plane of the Right Cone – the altitude passes through the center of the base. Oblique Cone – Not
Sphere – the set of all points in space at a given distance from a given point. called Radiv Scalled Center Hemisphere – half of a sphere and its circular Mass. Great Circle – the circle that encloses the Mass. of a Normal Sphere.
* p 524 1-22