11.1	and	1.8	Geometry	of Solids	Homework	Day	1

Name______Period_____

Geometry 3313

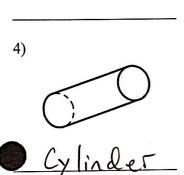
earning Targets:

- a. I can identify parts of geometric solids
- b. I can classify geometric solids

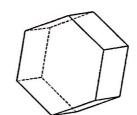
Identify the following shapes. Be as specific as possible.



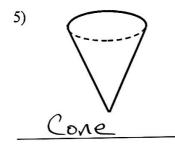
Hemisphere



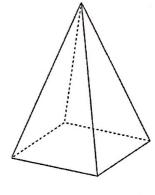
2)



Hexagoral



3)

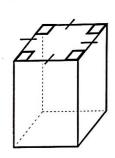


Rectangular Pyramid

6)



7) A quiz question asks to name the following solid. Suzie responded that it was a "Square Prism." Roger responded that it was a "Rectangular Prism." Who gets full points on the quiz for that particular question?



They are both correct. Suzie provided a more complete answer by recognizing that one pair of opposite faces (top & bottom) are squares,

8) Provide three real-world examples of each of the following:

Polyhedron

Filing Cabinet.

cereal box.

Dice.

Non-polyhedron

Can of soup.
base bull but.
Funcel.

9) What is the difference between a pyramid and a prism? Be specific.							
Pyramid: One base; lateral faces are triangles.							
Prism? Two congruent bases; lateral faces are parallelograms							
For each polyhedron, identify the number of faces, edges and vertices.							
10)							
Number of Bases Number of Bases Number of Bases							
Number of Lateral Faces Number of Lateral Faces Number of Lateral Faces							
Number of Edges Number of Edges Number of Edges							
Number of Vertices 9 Number of Vertices 14 Number of Vertices 0							
Use Figure A to answer the questions #13-17.							
13) Name the solid Triangular Prism 14) The solid has total faces; it has							
Base(s) and Base(s) and Base(s).							
15) Name each base $\triangle ABC$, $\triangle DEF$							
16) How many edges does the solid have?							
17) How many vertices does the solid have?							
18) Is this a prism or a pyramid or neither? Explain.							
Neither. A pyranid must have all lateral							
faces be triangles that meet at a							
common point (vertex/apex). Prisms have bases that are congruent. If the							
figure is drawn to scale, the bases are not =.							