**Geometry Test Topics – Vocab/Reasoning**

**Vocabulary:** go through your glossary of terms, familiarizing yourself with all of them. A good skill is to be able to make a sketch from words, then describe the term from a sketch.

**Conjectures:** linear pairs are supplementary, vertical angles are congruent, if parallel lines are cut by a transversal then corresponding, alternate interior, and alternate exterior angles are congruent, and its converse.

* Recognize and use the relationship between all angle pairs: complementary, supplementary, linear pairs, vertical angles, corresponding angles, alternate interior angles, alternate exterior angles. Know when the last three are congruent.
* Be able to write and solve algebra problems based on all of these angles relationships, and also angle bisector and midpoint (set equal and solve).
* Name lines, segments, rays and angles with appropriate symbols. Know when an angle can be named with one letter or must have three (∠A or ∠CAB)
* Sketch from symbolic names (like AB ⊥ CD and EF ║ GH)
* Mark a sketch from symbolic statement (congruent, parallel, perpendicular).
* Write congruence, parallel, or perpendicular statements from a sketch.
* Determine if an argument is inductive or deductive and why. If inductive, give conjecture and counterexample.
* Write a converse of a conditional statement and determine if true (will be geometry).
* Find missing measures of angles in sketches and explain how you know using VA, LP, CA, AIA, AEA, and CIA. Determine if lines are parallel. And why.
* There will be an open response problem worth 6 pts somewhat like your newest handout.

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