Advanced Geometry Test #2 Topics

* Proving triangles congruent
  + SSS
  + SAS
  + ASA
  + AAS
  + HL
* CPCTC and beyond
  + Median of a triangle
  + Altitude of a triangle
  + Circles (All radii of a circle are congruent)
* Detour Proofs
* Missing Diagram Proofs
  + Draw diagram
  + Write “Given” and “Prove”
  + Write proof
* Types of Triangles
  + Acute, right, obtuse, equiangular
  + Scalene, isosceles, equilateral
* Equidistance Theorems
* No-Choice Theorems
* Right Angle Theorem (If two angles are supp and congruent, then they are right angles)
* Triangle Application Theorems
  + Exterior and interior angles
* Transformations
  + Reflections
  + Translations
  + Rotations
* **STUDY YOUR INDEX CARDS!!!**

***The test will consist of multiple choice, fill-in-the-blank, short answer, and proofs.***

**Review Problems**

p. 162 #2, 3, 5, 6, 7

p. 165 #5, 6, 11, 15, 22a

p. 174 #12

p. 182 #2

p. 206 #2, 3, 6, 13