Honors 213   Spring 2010   Homework 07

Not Graded (but possibly on exam)

_____

Name

Be sure to follow the "Writing Guidelines" handout when presenting your solutions.

NOTE: For this homework set you are allowed to work with other members of either of the geometry classes. However, you must cite everyone with whom you have discussed your problem.

"We used to think that if we knew one, we knew two, because one and one are two. We are finding that we must learn a great deal more about 'and.'" (Sir Arthur Eddington)

Problems

Everyone needs to understand how to do all of the following proofs.

There will be a "brainstorm session" on Monday.

Exam will have a question for you to do "your problem".

When they are done, group write-ups will be passed out to the entire class.

- **(Bryan)**

  Proposition 4.1 (SAA Congruence Criterion)

- **(Jason, Lauren, Elizabeth)**

  Proposition 4.2.(Hypotenuse-Leg Criterion)

- **(Will, Abbey, Teddi)**

  Proposition 4.3 (Midpoints)

- **(Peter, Jennifer, Evan)**

  Proposition 4.4 (Bisectors)

- **(Bryan)**

  Proposition 4.5 (Greater Side lies opposite Greater Angle)