Due March 25

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 and each group will have 10 minutes to present on Tuesday.

- **(Roy, Monica, Matt F, Sarah)**
  Proposition 4.1 (SAA Congruence Criterion)

- **(Mark, Hannah, Samantha, Greg)**
  Proposition 4.2 (Hypotenuse-Leg Criterion)

- **(Casey, Matt E, Allison)**
  Proposition 4.3 (Midpoints)

- **(Kelly, David, Dawa, Keith)**
  Proposition 4.4 (Bisectors)

- **(Bryan)**
  Proposition 4.5 (Greater Side lies opposite Greater Angle)