Math 300　　　　　Spring 2009　　　　　Homework 04

Due February 27

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Name

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

In addition, you may **NOT** consult with anyone (except me) when you write your paper explaining your problem(s).

"Mystical explanations are considered deep. The truth is that they are not even superficial." — Friedrich Nietzsche

"Men are apt to mistake the strength of their feeling for the strength of their argument. The heated mind resents the chill touch and relentless scrutiny of logic." — William Gladstone

Problems

- Know the answers to the Review Exercises (T/F) of Chapter 3.

- Understand the major steps in solutions to each of the assigned homework exercises (numbers: $4, 5, 10, 11, 12$)

Remember that you may use any previous problem as part of the justification for your problem(s).

- (**Everyone**) Do exercise 13 of Chapter 3.

- (**Everyone**) Do exercise 16 of Chapter 3.

- (**Everyone**) Do exercise 18 of Chapter 3. (Just show that half-planes and the interiors of angles are convex).

- (**Elizabeth**) Do exercise 4 of Chapter 3.

- (**K.C.**) Do exercise 5 of Chapter 3.

- (**Eric**) Do exercise 10 of Chapter 3.

- (**Gib**) Do exercise 4 of Chapter 3.

- (**Karly**) Do exercise 11 of Chapter 3.

- (**Betsy**) Do exercise 10 of Chapter 3.

- (**Matt**) Do exercise 5 of Chapter 3.

- (**Garrett**) Do exercise 4 of Chapter 3.

- (**Michael**) Do exercise 12 of Chapter 3.

- (**Spencer**) Do exercise 11 of Chapter 3.

- (**Tiffany**) Do exercise 12 of Chapter 3