

## Homework Proofs

### Description

<b>Length:</b>	2 – 4 pages per assignment
<b>Frequency:</b>	Two assignments
<b>Value:</b>	1 point each ( $\sim 8\%$ overall grade each)

Homework assignments require you to write and revise four short proofs of statements drawn from the course material. All proofs must be written in LaTeX (see the course webpage for examples to help get you started). Refer to the provided rubric throughout the process to help direct your writing. You will also critique the writing of your peers to help improve their writing as well as your own.

All homework sets consist of three core problems and one unique problem. The core problems are common to all students. I encourage you to work together to understand these problems, but you must present the solution in your own words. The unique problem is different for each student. I recommend that you consult with me or post on StackExchange for help with these problems.

If you make use of StackExchange for any of the homework problems, explain in your post that you are looking for homework help and do not want a full solution. Cite the StackExchange URL in the solution you submit to me. You will not be penalized for seeking help (to the contrary, I encourage it), but I want to make certain that your writing is original.

Each homework assignment has three stages: draft, critique, and revision.

- **Draft:** Submitting a complete draft of all the problems by the draft deadline will earn a “pass” toward your Participation grade. I will critique your core problems, while two of your peers will critique your unique problem.
- **Critique:** Submitting critiques for two of your peers’ unique problems by the critique deadline will earn a “pass” toward your Participation grade. You will be provided with a rubric to use in your critique.
- **Revision:** After receiving feedback on your draft, you will be given a chance to incorporate it into a final revision. I will grade this final draft according to the provided rubric.