Homework may be typed or handwritten. Either way, it's due at the start of class on February 27th. If you type your homework, it is preferred that you print it out and physically hand it in. However, if you're unable to print it out you may email a PDF (*not* a Word document!) to your grader at `yc75@uw.edu` before the start of class.

The homework problems are from Sundstrom's *Mathematical Reasoning*, available here:
`https://scholarworks.gvsu.edu/books/9/`

Throughout the course, you should imagine that you are writing your proofs so that they can be understood by someone who is also taking Math 300 at the same time. For these problems, you should be writing paragraph proofs. At this point you can basically assume anything you want about basic algebraic manipulations, without citing any of our axioms or theorems.

For this assignment, please solve:

- Chapter 4.3, page 207, problem 2de

- Chapter 5.1, page 225–228, problems 3, 6, 11, 12, 14.

- Chapter 5.2, page 239, problems 2 and 4.

For extra practice, I recommend completing the progress checks in chapters 4.3 and 5.1. (Don't hand in the progress checks. Just think about the problems on your own. You can look up solutions in the back of the book.)