Math 300-C	Spring 2018
Assignment #4	Due April 25th

You may turn this homework in physically or electronically. To submit it physically, hand in a copy at the start of class before the weekly quiz. To submit electronically, please email a PDF (not a Word document!) to the course grader, Yue Zhao, at zhaoy28@uw.edu.

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. You may now be less formal in your algebraic manipulations; for example, you don't have to tell me every time you're using the associative property of addition.

For this assignment, please solve:

- Chapter 3.3, page 126, problem 4.
- Chapter 3.4, page 138, problems 5 and 7.
- Chapter 3.5, page 154, problems 3, 11, and 12.

For extra practice, I recommend completing the progress checks in chapters 3.3, 3.4, and 3.5. (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.)