

You may turn this homework in physically or electronically. To submit it physically, hand in a copy at the start of class on April 4th 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 this assignment your solutions should be informal explanations or truth tables. As we progress in this class and learn more techniques, the format of your proofs will change.

On all assignments you should use complete sentences to say what you're doing. Scratch work and a mess of symbols will not get you very far.

For this assignment, please solve:

- Chapter 2.1, pages 40-42, problems 3, 6, 9, 12.
- Chapter 2.2, pages 49-50, problems 3, 4, 5, 8.

For extra practice, I recommend completing the progress checks in chapters 1.1, 2.1, and 2.2. (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.)