

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/>

For this assignment, please solve:

- Chapter 5.2, pages 239–241, problems 2, 4, 12, and 14.
- Chapter 5.3, pages 252–253, problems 6 and 10.
- Chapter 5.4, page 262, problems 6 and 7.
- Chapter 5.5, page 274, problem 3.

For extra practice, I recommend completing the progress checks in chapters 5.2, 5.3, 5.4, and 5.5. (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.)