

Math 200 – Homework 2

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Monday, February 20, 2017

This assignment is due on Monday, February 20, 2017 at 9:50 AM.

Note: Remember that there is **no** class on Friday, February 17, because of Winter Carnival (it's also my dad's 88th birthday, so that's a good reason to cancel class too :P)

Reading: All of Chapter 3, and Section 4.1 of Chapter 4. Note that although you do need to understand Tarski's world (Example 3.1.13) for this homework, you are not responsible for it for the exams. Skip Example 3.3.11 ("A prolog program"). Section 3.4 is more or less meant to be a repeat of what was covered in chapter 2, so feel free just to skim it. But make sure to read Section 4.1 very thoroughly; Chapter 4 is the most important chapter in the book because it introduces you to mathematical proofs. This is also why I assigned more problems from that section.

Note: Kenneth Ribet on page 160 was my undergraduate advisor at UC Berkeley! Super nice guy, and, of course, a brilliant mathematician. He is currently the President of the American Mathematical Society (AMS).

- **Section 3.1:** 12, 27
- **Section 3.2:** 19, 35
- **Section 3.3:** 41, 44
- **Section 3.4:** 17, 26
- **Section 4.1:** 13, 28, 37, 53 (it's false!), 58, 61