

Math 401/501, Fall 2018

Assignment 0

Your first task in Math 401/501 will be for you to read through Chapter 1 of the *Book of Proof* text by Richard Hammack and work through the exercises listed below. You should have this reading assignment finished by the beginning of class on Wednesday, August 22. The TA Cairn Overturf will cover some of the material in Chapter 1 in recitation on Tuesday, August 21, but you are expected to read through all of it yourself.

The exercises below will not be collected for a grade. Plan to have them all completed by Friday, August 24. The exercises are all odd numbered with solutions in the back. You should make an honest effort at solving the problem before checking the solution.

1. Hammack §1.1 (a.k.a. section 1.1): Complete odd exercises as needed.
2. Hammack §1.2: Complete odd exercises as needed.
3. Hammack §1.5: 1(a-i), 3(a,b,c,d,e), 5, 9
4. Hammack §1.6: 1, 3, 5
5. Hammack §1.7: Complete odd exercises as needed.
6. Hammack §1.8: 1, 3, 5, 7