

# Homework 1 - Math 455

Due Thursday February 1, 2018

Section 1.1.2, questions 3,5,7,8,11

Remember to write the names of students you collaborated with, as well as the url of any webpage you used to help you. Also, make sure to point out any gaps or problems in your arguments for extra points.

Also, please turn in your mathematical autobiography—and make sure to save a copy for your diary. Here are some questions you may choose to answer—though you are welcome to share anything else that you think is relevant.

- How did you become interested in mathematics?
- What are you hoping to do with your knowledge of mathematics?
- What are some of your most memorable (positive and/or negative) mathematical experiences?
- What do you like the most about mathematics?
- What do you dislike the most about mathematics?
- What is your favorite way of learning mathematics?
- Is there any theorem or idea that you find particularly elegant?
- Is there any concept or theory that you thought you would never understand that you have eventually come to understand? How did the transition occur?
- Is there any concept or theory that you have struggled to understand for a really long time that you still do not understand? What steps are you taking towards gaining new understanding?
- How do you view the role of mathematics in our society?

The goal is for you to reflect on your own mathematical experience—while fulfilling some of the requirements for an integrative experience—and to help me plan the best course for all of you.