

Math 2080  
Introduction to Analysis, Assignment 2  
Due October 2nd at the start of class.

All questions are from Guaghan, 5th ed. All questions are proof questions, this means you will be marked on the clarity and logical correctness of your explanations. Poor writing and sloppy/illegible presentation both impact the clarity of your work and so will be penalized: you must write all solutions legibly and in complete sentences that follow a logical train of thought.

**Questions from Chapter 0:** 26, 37, 38, 44, Project 0.3.

For Project 0.3, the book provides four steps for you to follow. Please number each of the steps separately so that your proof can easily be dissected into a four-step process by the grader. This will also allow the grader to more easily assign partial points for incomplete or incorrect proofs.