

Math 2080
Introduction to Analysis, Assignment 2
Due September 27 at the start of class.

All questions are from Gaughan, 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: 32, 33, 35, 36, 43, 45.

In the course of exercises 32–36, you can assume that every polynomial of degree n has n or fewer roots, and you can use without proof the result of Exercise 34.