

## Mathematics 100B Homework 2

### Due: Wednesday January 25 2023

**Instructions:** Please write clearly and fully explain your solutions. It is OK to work with others to solve the problems, but if you do so, you should write your solutions up separately. Copying solutions from your peers or a solutions manual will be deemed academic misconduct. Chapter and problem numbers refer to *Algebra*, second edition, by Michael Artin. Please feel free to reach out to me or the TAs if you have any questions.

1. Chapter 11, Exercise 2.2
2. Chapter 11, Exercise 3.2
3. Chapter 11, Exercise 3.3 (a),(b),(c)
4. Chapter 11, Exercise 3.4
5. Chapter 11, Exercise 3.9