

Preparation for Exam #2

General Advice

- Study the “End-of-Chapter Material” including the “Review Questions,” “Supplementary Exercises,” “Computer Projects,” etc.

Chapter 6 (p. 439) Chapter 7 (p. 494) Chapter 9 (p. 633) Chapter 10 (p. 735)

- You may skip topics we did not discuss (or have not yet discussed) in class (Sections 6.5–6.6, 7.4, 9.5–9.6, 10.5–10.8).
- Review the Python solutions to HW4–HW7. You will be required to write a small amount of code during this exam. See the “Computer Projects” in Chapters 9 and 10 for inspiration.
- The exam itself will be closed-book, closed-notes, and no-calculator.
- Please use a pencil, write clearly, and show all your work.
- You will have 50 minutes to complete about 6–7 problems.

Practice Problems

I don't expect you to complete all of these problems over the weekend. Focus on the ones you feel less prepared to answer if they were on the exam.

Chapter 6

Exercises 1, 3, 5 (p. 440) – supplementary exercises

Chapter 7

Exercise 5 (p. 496) – the exam won't be as difficult

Exercise 5 (p. 475) – clearly define your variables

Chapter 9

Exercises 3 and 7 and 8 (p. 634) – review questions

Exercises 1 and 7 (p. 635) – supplementary exercises

Chapter 10

Exercises 3 and 9 and 11 (p. 737) – make up a graph to answer these problems

Exercises 37 and 39 (p. 676) – define the isomorphism, don't just say “yes”