

**Instructions:**

All parts of this homework are due on Thursday October 7, 2021 at 11:59PM EST.

Part 1 can be found under the Quizzes tab on myCourses.

Part 2 must be completed and solutions must be uploaded to the Assignments dropbox on myCourses as one pdf file following the instructions on the syllabus.

Part 3 is a recommended set of problems.

**Part 1**

Take the HW6–Part1 quiz on myCourses.

**Part 2**

All questions are worth 10 points. For full points your solutions must be fully justified.

1. Exercise 5.4
2. Exercise 5.6
3. Exercise 5.8
4. Exercise 5.12

**Part 3 (Recommended problems)**

5. Exercise 5.2
6. Exercise 5.3
7. Exercise 5.7
8. Exercise 5.9
9. Exercise 5.11