

**Directions:**

- Print out this piece of paper and use it as a cover sheet. Write your name in the upper right hand corner.
  - Your homework should be stapled and each problem should occur in order.
  - Do not hand in scratch work.<sup>1</sup> The final version of your solution to each problem should be collocated and stapled.
  - Always label every plot (if you have any). For example, you should include titles, x-labels, y-labels, and legends.
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1. Read Chapter 2, sections 4–11.
  2. Section 2.1: 2.2 (see Chapter 1 for notation), 2.4
  3. Section 2.2: 2.11, 2.13, 2.14
  4. Section 2.3: 2.15, 2.17
  5. Section 2.4: 2.19, 2.20, 2.27
  6. Section 2.5: 2.32, 2.34
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<sup>1</sup>Yes, doing math will require a lot of scratch work! You will rarely be able to correctly answer each question on your first try. For each problem, figure out what the solution is, and then write-up a *final draft* that you hand in.