Math 441, Prof. Hildebrand, Summer 2018

HW 4, DUE IN CLASS FRIDAY, 7/6

- **Use this sheet as cover sheet and staple it to the assignment.** Do the problems in order, and clearly label each problem.
- **Show all work.** Provide full justifications. Answers alone (such as those found in the back of the book) will not earn credit.
- **Group work:** You are welcome to work on the problems with another student or in a small group, but you should write up the solutions yourself, using your own words. Also, write the names of the student(s) in the group on the cover sheet.
- **Grading:** Each assignment is worth a total of 10 points, broken down as follows:
  - **Overall effort and presentation (5 points):** This rubric accounts for the overall presentation, appearance, and neatness of your work, and the amount of effort put into writing up the homework.
  - **Graded problems (5 points):** This rubric accounts for the subset of problems selected for full grading. Correct solutions on these problems will earn you full credit.
- **Questions/help.** I’d be happy to answer questions, look over drafts of your work, and provide feedback. I’m available after class each day in the regular classroom.

1. **Section 3.1:**
   - (a) 3.1: 1
   - (b) 3.1: 5
   - (c) 3.1: 8
   - (d) 3.1: 10 (skip the graph)
   - (e) 3.1: 16 (skip the graph)
   - (f) 3.1: 17

2. **Section 3.3:**
   - (a) 3.3: 1
   - (b) 3.3: 4
   - (c) 3.3: 7
   - (d) 3.3: 17
   - (e) 3.3: 18
   - (f) 3.3: 29

3. **Section 3.4:**
   - (a) 3.4: 1
   - (b) 3.4: 5
   - (c) 3.4: 18
   - (d) 3.4: 19 (proof required)
   - (e) 3.4: 37 (proof required)

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Presentation/effort (5 points):

Graded problems (5 points):

Total score (10 points):

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1 If you worked with another student or in a small group on this assignment, list the names of all students involved.