MATH 550 (Section 1)
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Homework Problems for Chapter 5
Double and Triple Integrals

Section	Page	Problems
5.1	300	# 1b*c, 2b*c, 3, 4*, 6, 8*
5.2	313	# 1a, 2c, 4*, 5*
5.3	321	# 1ac*, 2c*d, 4, 7, 8, 12*, 16
5.4	326	# 1ab*c, 2b*c, 3*, 5, 9, 12*, 14
5.6	346	# 1, 4*, 5*, 6, 7, 9, 11, 14, 15*, 17, 19, 20, 22*, 27
Review	348	# 1, 2, 3*, 6, 7, 8*, 9, 11, 12, 18, 19*, 25, 27*

Notes

- Problems marked with an asterisk (*) will be collected and graded. In general, problems will be due the Monday following the lecture in which the section was discussed.
- These problems have been selected as the *minimum* amount of work that you should be doing for this course. Some problems will be straightforward computations; some will require the construction of a logical argument using the terminology and concepts discussed in class; some problems will require you to expand your knowledge (with given information) and apply this to a new setting.
- If you need more practice, there are many other problems in the text that are similar to the ones I have assigned.
- The first mid-term exam will be Friday, February 14. This exam will cover all material that we have covered to date, but will emphasize the material in chapters 4 and 5. The review problems at the end of the chapter are an excellent way to study for the exam. If you *understand* the homework problems (all assigned problems, not just the ones collected), you'll have no trouble with the exam.
- Do not hesitate to ask questions – in class, by e-mail, or during office hours.