

Assignment 9 - Due Thursday 11/8/2018

The second mid-term exam is on 11/8/2018, to be held in recitations. The questions will be on the topics we have covered from sections 2.5, 2.6, 3.1, 3.3, 3.4, 4.1, 4.2, 4.3, 5.1-5.5

Exercises from Colley:

5.4: 5, 12, 20, 24, 26

5.5: 1, 2, 4, 9, 10, 11, 14, 24, 28, 34

Notes

Section 5.4 is about triple integrals, and the idea is just the same as with double integrals. The main thing is to get practice integrating over different regions. Section 5.5 seems rather long for what it does. The main thing is the formula in Theorem 5.3 and then gaining familiarity with how this works in particular cases.

Exam next week

As review for the exam, look at the homework and quiz questions you have already been given. I have looked at the exercises in the book and the following are also relevant (but there are too many, so glance through them and try some of them):

2.5: 27-29

2.6: 2-4, 16-20, 24

2Misc: 34

3.1: 15

3.3: 3, 4, 18-21

3.4: 3, 4, 8, 10, 14, 15

3Misc: 4, 43, 44

4.1: 12, 13, 27a

4.2: 11-15, 32-34

4.3: 8-12, 23, 31

4Misc: 15

5.1: No extra questions

5.2: 7-10, 17-18, 28

5.3: 14-18

5.4 and 5.5: last week's homework questions.

At the start of the exam it says: You may not use books or notes. You may use a calculator. Always show your work so that I can see you know how to do the problem without using a calculator.