

Assignment 7 - Due Thursday 3/10/2011

Read: Hubbard and Hubbard Sections 4.5 and 4.8.

Exercises:

Section 4.3 (page 429-430): 1*, 2, 5*.

Section 4.5 (pages 447 - 449): 6, 7, 8, 11*, 12, 13, 14*, 15, 16, 18*, 19

Section 4.8 (pages 476 - 478): 1, 2*, 3, 4*, 5, 6, 7, 8, 9, 10, 11*, 13, 14.

Comments:

I got behind last week, and so I have reassigned Section 4.3 to this week and unstarred problem 1 from that section.

We are skipping Sections 4.4, 4.6 and 4.7. In Section 4.5 the heavy-duty result is Fubini's theorem, but they relegate the proof to an appendix. For your purposes the more important thing is to be able to do calculations where you change the order of integrations, and I think you probably have already an idea of how to do this. In fact, I think you could probably do the exercises to Section 4.5 right now.