

## Math 32A-1: Homework Week 9

1. Monday, November 23: Do exercises 15.6.20, 15.6.21, 15.6.22, 15.6.24 15.6.27, 15.6.29, and 15.6.34. [For 15.6.24, you will need the equations for the spherical coordinate system given on page 696. Make sure to actually read them, even if you've encountered this system before – the conventions are slightly different from the spherical coordinates used in physics.]
2. Wednesday, November 25: Read Section 15.7 and do exercises 15.7.1, 15.7.3, 15.7.7, 15.7.11, 15.7.15, and 15.7.17. We will talk more about this section on Monday.
3. Thursday and Friday are university holidays, so there is not Thursday section or Friday lecture. Further, in light of the fact that many people will be traveling on Wednesday, my office hours this week will be M 10-11 and T 4-5.