

Review for Final Exam

The final exam is comprehensive, covering the same material that was covered on the three in-class exams (13.1 – 13.7, 14.1 – 14.3, 15.1 – 15.6, 16.1 – 16.4, 16.7, 16.8, 17.1 – 17.4: see the review sheets for exams 1 to 3), together with sections 17.5 and 17.6. The best way to study for the final is to go through the homework assignments, identify the type of problems you think you might need work on, and work on similar problems that were not assigned. For example, the problems assigned on triple integrals in spherical coordinates were numbers 17 and 23 in section 16.8, so you might try some of the problems in between.

For sections 17.5 and 17.6, just go over the homework from those sections, and review Quiz 7. Also do the following reading:

- 17.5** Read from the beginning through Example 4, and from the beginning of p. 1131 through equation 12.
- 17.6** Read from the beginning through Example 8. As someone mentioned in class the other day, finding a good parametrization for a surface is more of an art than a science. Think through the examples in the text carefully, and perhaps try one or two more of problems 17 – 24 at the end of the section.