About the exam. We have learned a lot of material this semester, and all of it is eligible for inclusion in the final, up to and including section 13.4. Material that was not covered in class or on homework will not be on the exam; specifically, I skipped sections 12.5 (except for problems of finding a mass given density), 12.9, as well as the last subsection of 13.3 (Conservation of Energy) and of 13.4 (Extended versions of Green’s Theorem); see also the midterm review sheets for previously covered material. The exam will have a somewhat greater emphasis on the the last third of the semester (chapters 12 and 13), but the earlier material will also be represented.

Suggestions for studying. The most useful thing for the first portion of the course is to go back and look over your homeworks, quizzes, review problems for the first two exams, and the exams themselves. For problems that you got right, make sure you understand your solution and could do it again if a similar question shows up on the final. For problems that you got wrong, read the corrections carefully, and then redo the problem in its entirety. In general, in working problems for review, do them with the book closed, and practice writing the details.

Here are some review problems from Chapters 12 and 13.

**Chapter 12 review problems**: True-false quiz (except for Question 8 which we did not cover).
Problems 9, 10, 12, 13, 17, 19, 21, 27, 29, 33, 38(a), 39, 47.

**Chapter 13 review problems**: True-false quiz 4, 5, 6.
Problems 1(a), 3, 5, 9, 11, 12, 13, 15, 17, 21.

GOOD LUCK!