The Final Exam is December 17th in **Huntsman Hall G 06**, 9am-11am. There are enough seats in the room so that no students sit right next to each other. But only barely. So make room for each other. We will not start until this is done.

**Rules for the exam:**
One piece of paper is permitted, written on both sides if necessary. These notes must be handwritten, in your handwriting, no copies allowed.
There are 15 problems (none are multiple choice). You need to show your work to get any credit!

**Topics to be covered on the Final:**
Linear Algebra: 8.1-8.6 and 8.8, 8.12
Vector calculus: 9.7-9.16
Differential Equations: 3.1 (all subsections), 3.3, 3.4, 3.6, 3.8.1, 3.8.2, 3.8.3
   10.1, 10.2, 5.1

**Review Problems:** As a review, I suggest you do problems from the following Past Final Exams. I have assigned problems from these before as preparation for the Midterms. Those problem numbers are given in square brackets. You can look at them again of course.

You may also want to look at the solutions to the two midterm exams on my home page.

From the 4 exams with solutions on the web:

Spring 2010 No. 10-15 [1-9]
Spring 2009 No. 9, 11, 12 [2, 3, 7, 8, 13]
Spring 2008 No. 5-8 [1-4, 9-14]
Spring 2007 No. 5, 10-13 [1, 3, 6, 8, 9, 14]

4 others from recent years:

Fall 2009 No. 6, 7, 9-12 [1-4]
Fall 2008 No. 4-9, 12 [1-3, 10, 11]
Fall 2007 No. II - VI, VIII, X, XIII, XV [VII, XI]
Fall 2006 No. 6-10, 14 [1-4, 15]

That should be enough, but just in case you want some more:

Fall 2005 No. 1-7, 9-13
Spring 2006 No. 1, 3, 7-18, 20-22
Office hours I will have a "last minute" office hour December 17th at 7-9am, DRL 3E3A if you have a few things you want to clear up. But I think it is important you get a good nights sleep before the exam! Don’t stay up all night. And set your alarm....

There will be office hours and review sessions by your TA, which will be announced later on.