Math 2573H   Honors Calculus III   Fall Semester 2015

Assignment 5 - Due Thursday 10/15/2015

Exercises from Colley:
2.5: 1, 4, 6, 9, 14, 20, 30, 34
2.6: 2, 6, 12, 20, 30

In section 2.6 we will not study the implicit and inverse function theorems.

The exam on Thursday
The first mid-term exam is on 10/8/2015, to be held in recitations. The questions will be on the topics we have covered from Chapter 1 as well as sections 2.1-2.4. There are some things in these sections that I will not test you on, and I have mentioned these at the time. I am not going to test you on the proofs which are in Addenda at the end of sections. There is some terminology where I do not require you to know the technical terms (but I may require you to be work with the concept, without knowing what it is called, or knowing the specific formulas in the book: e.g. level curves, torque, angular velocity, the 'projection vector'). If you can do questions like the homework questions then you are in good shape.

As review for the exam, look at the homework and quiz questions you have already been given. I have looked at the exercises in the book and the following are also relevant (but there are too many, so glance through them and try some of them):
1.4: 1-4, 14-19
1.5: 1-33
1.6: 16-19. 21-23
1.7: 1-22
1.Misc: 2, 3, 9-14, 19, 20
2.3: 26-32
2.Misc: 3, 4, 7, 8, 9

At the start of the exam it says: You may not use books or notes. You may use a calculator. Always show your work so that I can see you know how to do the problem without using a calculator.