

Assignment 5 - Due Thursday 10/11/2018

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 10/4/2015, 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 that 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 put the following questions from the book online a few days ago. There are too many questions, 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, 47b

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 or explain so that I can see you know how to do the problem without using a calculator.