

Calculus III Honors Spring 2010

Homework 2

Due: Wed. Feb. 17, start of class

Instructions: Please read the homework policies and guidelines posted on the course webpage. You may *not* use a calculator (or computer) except where stated. Make sure to write your name, course and section numbers in the top right corner of your solution set, as well as the assignment number on top. Page/section numbers refer to the course text.

Reading

It's amazing. Even though the front of our text says CALCULUS in big CAPITAL letters, and nothing else, I cannot find anything which could be termed Calculus in Sections 11.5 or 11.6. Then again, I suppose there's as much of a connection here as the f-holes of a violin (cello?) have to integrals or anything inside the text.

Nevertheless, you may as well look at pp. 702–703 to see an application of polar coordinates to Kepler's laws of motion.

Written Assignment

Total: 100 points. Each problem is worth 5 points unless otherwise noted.

Section 11 Review (p. 705): True–False 1–6

Section 11 Problems Plus (p. 708): 4 (30 pts total)

Section 12.1: 5, 6, 7, 9, 12, 13, 14, 15