

# Calculus III Honors Spring 2012

## Homework 9

Due: Wed. May 2, 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

Chapter 13

### Conceptual Questions

1. What is the difference between a vector and a coordinate?
2. Can you multiply two vectors?

### Written Assignment

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

**Section 13.1:** 9, 10(a), 11

**Section 13.2:** 19, 23

**Section 13.3:** 7, 19, 23(c,d), 37

**Section 13.4:** 3, 13

**Section 13.5:** 1, 7, 13, 17, 23, 29, 33, 49, 69