

# Calculus III Honors Spring 2010

## Homework 5

Due: Wed. Mar 3, 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

Sections 12.1, 12.2.

### Written Assignment

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

**Section 12.1:** 25, 27, 36, 37, 42, 45, 46, 54 (10 pts), 57 (10 pts), 60, 61, 62, 63, 64, 65, 66, 68 (10 pts—hint: see Example 13)