

Math 21-259 Spring 2011

Homework Assignment # 6

PRINT the following information below.

Last Name: _____ First Name: _____

Section Number : _____

Read the following instructions carefully:

- ◆ Print out this file and complete the problems. You must do **ALL** the problems!
- ◆ Use a blue or black pen or a pencil.
- ◆ Write your solutions in the space provided and put the final answer in the box.
- ◆ You may use extra sheets for any additional explanation.
- ◆ You must show work in order to receive credit for a problem.
- ◆ Remember that your homework must be complete, neatly written, and stapled.
- ◆ Submit the completed homework to your Teaching Assistant at the beginning of the recitation on the given due date.
- ◆ Any deviation from the above instructions will result in a zero credit for the homework.

1. Section 11.3 Problem 24



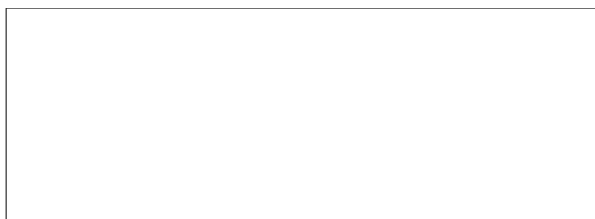
2. Section 11.3 Problem 30



3. Section 11.3 Problem 40



4. Section 11.3 Problem 52



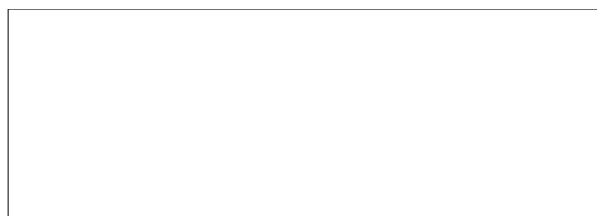
5. Section 11.4 Problem 4



6. Section 11.4 Problem 12



7. Section 11.4 Problem 17



8. Section 11.4 Problem 26



9. Section 11.4 Problem 32

In addition to the above problem, find an equation of the normal line to the surface at the same indicated point.

