Homework Four
Calculus III
College of the Atlantic
Due Friday, January 29, 2016

Please print out this cover sheet and attach it to your problem solutions. Completed assignments should go in my mailbox or be handed in during class. Please don't hand them to me other times, as I might end up losing them and that would make us both sad.

Your Name: _____

Please list all the students you collaborated with on this assignment:

_____   _____

_____   _____

_____   _____

Did you get help from Corrie or Ian?

Did you consult any resources other than our textbook or classnotes? (If yes, please include citations in your solutions.)

Were you able to get enough help so you could complete this assignment to your satisfaction?

Approximately how many hours did you spend on this assignment?

Anything else of note about this assignment? (It was too hard, too easy, lots of fun, too repetitious...)

The work I am turning in for this assignment is an accurate reflection of my own understanding of the material.

Signature: _____   Date: _____

Calculus III
Homework Four
Due Friday January 22, 2016

Chapter 14.5:

1. 12
2. 36 Optional, recommended for physicists.

Chapter 14.6:

1. 16
2. 19

Chapter 14.7:

1. 20–28, even only
2. 37

Chapter 15.1:

1. 2, 4. To classify the critical points, just make a plot of the function.
2. 16

Chapter 15.2:

1. 24
2. 31 Optional, recomended for economists.

Chapter 15 Projects:

1. Project 2, parts a–b
2. Project 2, part c. Optional, but strongly recommended
3. Project 2, parts d–e. Optional, recommended