MATH 158 Assignment 4, Spring 2010

Michael Monagan
Due Monday March 15th at 5:20 pm.

Section 10.5 Contrained Maxima and Minima

Exercises 6, 20, 26 – using the method of Lagrange multipliers.

Section 10.7 Double Integrals

Exercises 3, 4, 12, 14, 26.

Section 10.8 Applications of Double Integrals

Exercises 2, 4, 5, 6, 10, 15, 18, 28, 29.

Section 11.1 Differential Equations

Exercises 4, 5, 11.

Section 11.2 Separation of Variables

Exercises 6, 26, 39, 44, 46.

Section 11.3 Applications of Differential Equations

Exercises 2, 5, 10, 18.