Show all your work. Due June 6th, 2017.

Name:
Student ID:

1. (**Find Local Extremas**)
   Try to answer Matched Problem 2 in Page 471.

2. (**Partial Antidifferentiation**)
   Try to answer the following three problems from page 496-498:
   Matched Problem 1, Section 8.6
   Matched Problem 2, Section 8.6
   Matched Problem 3, Section 8.6

3. (**Evaluate Double Integrals Over Rectangular Domain**) Try to answer the following two
   problems from page 499-500:
   Matched Problem 4, Section 8.6
   Matched Problem 5, Section 8.6