

Math 550. Homework 3. Due 9/24/2003

You have two options to choose from.

Option A Generalize (that is, state and prove) the last lemma proved in class today (9/10) to an open set of the form $U = \mathbf{R}^2 \setminus \{P_1, \dots, P_n\}$.

Option B Prepare a set of lecture notes (as for a class session) covering the material on pages 17, 18 and 19 (up to right after Exercise 2.3). Your notes should contain complete details, some examples, and some problems with solutions. You don't need to write a lot, but don't just copy from the textbook; the purpose of this exercise is that you read and understand this material well.