Homework 5B

Qingyun Zeng

MATH 241-910 :Calculus IV

June 6, 2017

Problem 0. Reading: section 7.1-7.3 in Haberman. *Optional reading:* section 5.5-5.6 in Haberman

Problem 1. Haberman 5.4.2

Problem 2. (*Heat equation in 2D*)
Haberman 7.3.1(b)

Problem 3. (*Laplace equation in 3D*) Haberman 7.3.2 (a)

Optional exercise: Below are exercise proposed in class and some additional problems. These are for your own benefit and may be helpful for your understanding of the material It is not required to turn them in. It is suggested that you at least read those problems.

Problem A. Extra credit opportunity: Present the proposition in the puzzle given in Quiz 2 in class (without bringing any notes)

Due: June 5 (World environment day), 2017, in class