

324 Introduction to PDEs
Instructor: Petronela Radu
October 10, 2006

Homework 5

Due October 20

Before writing your solutions commit yourself to being correct and clear throughout your arguments. In order to receive any credit the grader must be able to follow your arguments.

This is an individual assignment. While you may discuss the problems with your colleagues, you will write up your own individual solutions.

1. (15 points) Problem 1 page 85.
2. (10 points) Problem 3 page 85.
3. (15 points) Problem 5 page 86.
4. (10 points) Problem 1 page 91.
5. (15 points) Problem 7 page 91.
6. (10 points) Problem 12 page 91.
7. (15 points) Problem 13 page 92.
8. (10 points) What did you learn during the past 3 lectures about PDEs? (one page summary, preferably typed).