

Homework 2

Math 330

Type (in \LaTeX) your solutions to the following problems. Submit them either on Moodle or in the homework mailbox (RMS level 3, near the fireplace) by 4:00pm on **Thursday, September 21**.

The following problems are from the textbook.

1. Problem 1.4.7(b)
2. Problem 1.4.11
3. Problem 1.5.2
4. Problem 1.5.5
5. Problem 1.5.9(a)
6. Problem 1.5.13 — For this problem, you should use the spherically-symmetric heat equation given in problem 1.5.12(c). (Although problem 1.5.12 is not assigned, it's good for practice with calculus in spherical coordinates.)
7. Problem 2.2.2
8. Problem 2.2.4(a)