

# Homework 5

Math 330

Type (in  $\text{\LaTeX}$ ) your solutions to the following problems. When problems ask for sketches or graphs, you may do them either by hand or using a computer. Submit your work either on Moodle or in the homework mailbox (RMS level 3) by 4:00pm on **Thursday, October 18**.

Exercises from the textbook:

1. Problem 2.5.15(b) — You may assume that temperature is finite as  $x \rightarrow \infty$ .
2. Problem 3.2.2(a,c,e,f,g)
3. Problem 3.2.3
4. Problem 3.3.1(b)
5. Problem 3.3.3(a)
6. Problem 3.3.9
7. Problem 3.3.18