

Math 331-004 Homework Assignment 2. Due Thursday 2/5/2004 at the start of class.

Problems from Haberman Chapter 2

Section 2:

- Write up to hand in: 2.2.4
- To think about: 2.2.1, 2.2.2, 2.2.3; note that 2.2.5 is closely related to 2.2.1

Section 3:

- Write up to hand in: 2.3.8
- To think about: 2.3.1, 2.3.4 (compare to 1.4.2!), 2.3.5, 2.3.6, 2.3.10 (see the appendix to 2.3)

Section 4:

- Write up to hand in: 2.4.2
- To think about: 2.4.4, 2.4.6

Section 5:

- Write up to hand in: 2.5.15a (Hint: You can assume that the solution is bounded for  $x \rightarrow \infty$ )
- To think about: 2.5.2, 2.5.3, 2.5.4, 2.5.6, 2.5.8, 2.5.15b,c,d