

MA2441.03

Problem Set No. 3. (More on Sets)

Dept. of Computer Science and Mathematics (Atkinson College)

Date: June 7, 1999

Due: June 14, 1999

NOTE. Wherever a counterexample is called for, please devise a simple one over the integers or reals *without* using Venn-diagrams.

1. From the text (Epp, 2nd Edition) do the following:
 - (a) Ch. 3: p.257, #16, #18,#27; p.258, #39; p.267, #18, #19; p.268, #42(c).
2. Let $A = \{x \in B : x \notin x\}$. Prove that $A \notin B$.