

MATH 302 Discrete Mathematics
Assignment 6. **Due on Wednesday, March 7, 2012**
6th edition of the textbook

Read: Sections 2.4 (Cardinality), 4.1,

Definition: Write down the definitions for the following terms. [5 points]

Principle of Mathematical Induction

Principle of Strong Induction

the Well-Ordering Property

Problems to be graded: [10 points]

§2.4/ 31, 35, 36.

§4.1/ 5, 10, 11, 15, 20, 32, 47.

Other problems:

§2.4/ 32, 34, 37, 38, 40, 42.

§4.1/ 6, 9, 13, 18, 22, 25