

MATH 302 Discrete Mathematics (Spring 2012, Session 50)  
**Assignment 7, Due on 20 March**

**Reading:** §5.1 – 5.2

**Definition:** Write down the definitions of the following terms

- principle of mathematical induction
- principle of strong induction

**Problems to be graded:**

§5.1: 5, 10, 11, 15, 20, 32, 45, 47, 49

§5.2: 6, 12, 26

**Practice problems:**

§5.1: 6, 9, 13, 18, 19, 22, 25

§5.2: 1, 3, 7, 10, 25, 27, 30