

**MATH 302 Discrete Mathematics**  
**Assignment 9.** **Due on Friday, April 13, 2011**  
**6th edition of the textbook**

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**Read:** Sections 5.1, 5.3, 5.5.

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

**The product rule**

**The sum rule**

**r-permutation**

**r-combination**

**Problems to be graded:** [10 points]

§5.3/ 12, 18, 22, 30.

§5.5/ 8, 14, 20, 31, 44, 45

**Other problems:**

§5.3/ 2, 6, 8, 13, 14, 23, 26, 28, 32.

§5.5/1, 2, 3, 4, 5, 7, 9, 16(abc), 34.