

MATH 302 Discrete Mathematics
Assignment 11 Due on Monday, April 30, 2012
6th edition of the textbook

Read: Self-study: Pages 247 –249 in Section 3.8. Sections 8.1–8.6, (up to the end of page 567),

Definition: Write down the definitions for the following terms on relations (Chapter 8). [5 points]

binary relation

reflexive, symmetric, antisymmetric, and transitive (2 points)

equivalence relation

partial ordering

Problems to be graded: [10 points]

§8.1/ 24, 38, 43, 45, (note: definition of **irreflexive** and **assymmetric** are given before Problem 9 and 16.)

§8.4/ 2, 3,

§8.5/ 2, 3, 8, 11,

Other problems:

§8.1/ 6, 8, 25, 27, 28, 40, 41, 42.

§8.3/ 2, 4, 6, 10, 11, 12.

§8.4 / 1, 4, 8, 14, 20

§8.5/ 5, 10, 15, 16, 35, 36, 41, 44.