

MATH 302 Discrete Mathematics

Assignment 11. Due on Wednesday, December 2, 2009

Read: 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]

composite of (two relations)

n -ary relation and its degree

equivalence relation

partition

partial ordering

Problems to be graded: [10 points]

§8.4/1, 2, 3, 4,

§8.5/2, 3, 8, 11 and 31 (count as one problem), 15, 35

Other problems:

§8.3/ 2, 4, 6, 10, 11, 12.

§8.4 / 8, 14, 20

§8.5/ 5, 10, 16, 36, 41, 44.