

Math 2001: Homework P10

Due: November 11, 2009

1. From the book do problems:
 - (a) 5.1: 4, 15, 17
 - (b) 5.2: 6, 8
2. Let A be a set with n elements.
 - (a) How many reflexive relations are there on A ?
 - (b) How many symmetric, reflexive relations are there on A ?
 - (c) How many equivalence relations are there of A , if $n = 5$?