

HW 7: due Monday, November 9

Reminder: Exam 2 is on Wed, Nov 11th. It will cover: Relations, Functions and elementary Counting (Sections 2.3, all of Chapter 4, Sections 5.1 and 5.2, Section 6.1 and 6.2 in your book).

Part I: do the following problems from Richmond and Richmond:

Section 4.1 (pp. 131-132): 1,4,5

Section 4.2 (pp.139-140): 1,5,8

Section 4.3 (pp.145-146): 3bd

Section 4.4 (pp.153-154): 4, 5

Section 4.5 (pp. 160-162): 2,4,6abc, 9, 10

Extra credit!: There are 5 couples (all husband-wife couples) at a party. At this party, some people know each other already, some don't, some are friendly, some are not, with the result that some people shake hands with each other and some don't. However: 1) No one shakes their own hand and 2) no one shakes hands with their own spouse. At the end of the party, a man goes around to the other 9 guests and asks each one "How many hands did you shake?"— and each person gives a *different* answer: someone says "zero" someone says "one", all the way up to someone who says "eight". How many hands did his wife shake??