HW 6: due Thursday, March 16

Part I: From Richmond and Richmond do problems:

Section 4.3 (pp. 145-146): 3ac, 9, 10, 11
Section 4.4 (pp. 153-154): 1afg, 3, 4, 13
Section 2.3 (pp. 75-76): 1, 3ace, 5, 8, 10

Part II:

There are 5 married 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, Carl, a party guest, 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 spouse shake??