MATH 407 FALL 2009

QUIZ 2

1. Four married couples are arranged in a row. Compute the probability that no wife is next to her husband.

2. Two fair dice are rolled. For $i = 2, 3, \ldots, 12$, compute the probability that the first one shows 1 given that the sum is i. (Hint: There is a simple answer for $i = 8, 9, 10, 11, 12$).