

MTH U481: Spring 2009: Prof. C. King

Assignment 6

Due date: Thursday February 12.

Reading: Sections 3.6, 3.7

Problems:

1). p.198, #2, #6, #7, #11, #15.

2). p. 210, #5, #7, #8.

3). For the table given in Problem #7 on p. 210, compute the marginal pdf's for X and Y , compute the mean and variance of X and Y , and compute the covariance and correlation coefficient for the pair X, Y . [Note: you must divide by 50 (the total number of students) to get the joint probabilities]. Are X and Y independent? Explain.