

KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
DEPARTMENT OF MATHEMATICS AND STATISTICS
MATH 131 - QUIZ 6

Name:

Student ID #:

Question1. Let E and F be two events such that $P(E|F) = 0.6$, $P(E \cap F) = 0.28$, $P(F|E) = 0.4$. Are E and F independent? Justify your answer.

Question2. Box 1 contains 3 Green , 2 Red and 1 White marbles, and Box 2 contains 4 Green and 3 Red marbles. A box is selected at random. Then two marbles are randomly drawn from it. Find the probability that we have 1 Green and 1 Red marble.

Your Solution.