**King Fahd University of Petroleum & Minerals**

**Serial # 0**

- 1 points for not writing your serial number

Electrical Engineering Department

EE315: Probabilistic Methods in Electrical Engineering (112)

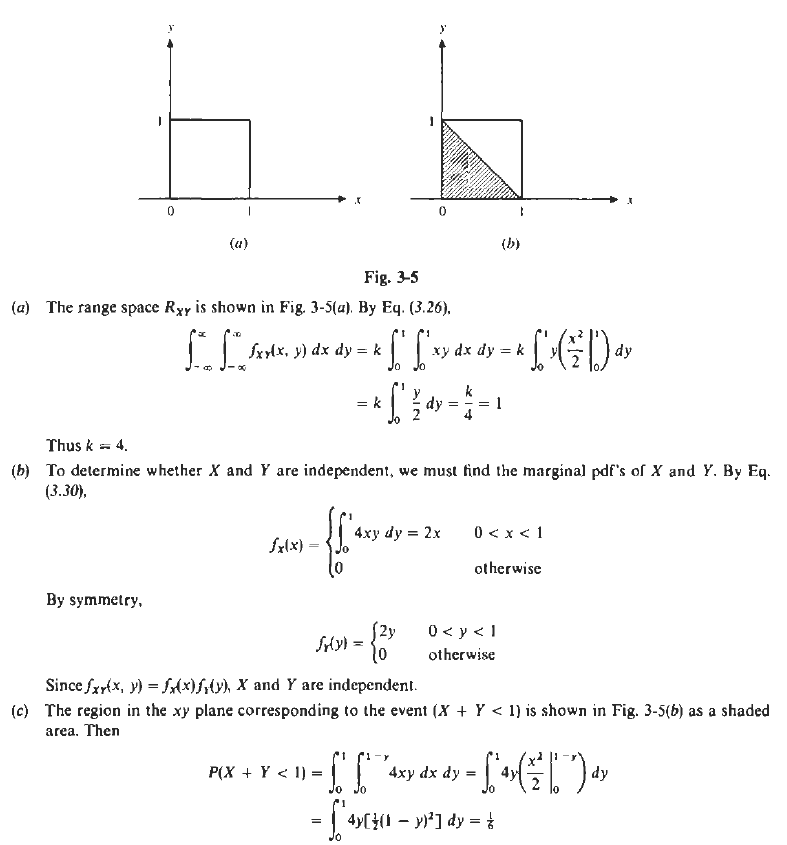
**Quiz 5: Multi Random Variables**

Name: Key

The joint pdf of a bivariate r.v. (*X*,*Y*) is given

Where k is a constant.

1. Find the value of .
2. Are *X* and *Y* independent? Show your steps.
3. Find ?



Good Luck, **Dr. Ali Muqaibel**