Assignment # 6

## Probability & Statistics

7	751	(2 1	, 1	2	3	TOTAL	
ŀ	2	0.3	0-2	0.05	0.05	0.5	1
_	<u> </u>	0.2	41	0.1	0.1	0.5	1
-	TOTAL	0.4	0-3	0.15	10.15	1	1
-	10104	10.4	10-3				<b>ر</b>

a) 
$$\times$$
 0 1  $\rho(x)$  0.5 0.5

b) 
$$p(x=0, y=0,1,2,3) = 0.2 + 0.2 + 0.05 + 0.05 = 0.5$$

d) 
$$\rho(x=1 \Lambda y=2) \neq \rho(0.5) \times 0.15$$
  
 $0.1 \neq 0.075$   
Hence, not independent