Joint Distributions

Sample Question The random variables X and Y have the following joint distribution

	Y =0	Y =1	Y=2
X=0	0.2	0	0.2
X=1	0	0.2	0.1
X =2	0.1	0.1	0.1

- Calculate the marginal distributions of X and Y.
- Calculate the coefficient of the correlation between X and Y.
- Are the random variables X and Y independent?