Recall: 
$$\rightarrow$$
 Random vector

 $\rightarrow$  Joint distribution (discrete)

 $\rightarrow$  Joint part

 $\rightarrow$  Marginal part

Example:  $() \times , \times \rightarrow \mathbb{R}$ . Variables

 $R(X) = \{1, 2\}$ 
 $R(Y) = \{1, 2, 3, 4\}$ 

Joint pdf of  $(\times, \times)$ :

 $X = \{1, 2\}$ 
 $X = \{1, 2\}$ 

fy(1) = P(Y=1) = -4+ 16 = 5

fy(2) = P(Y=2) = 3 = 3 =







