→ Mean = [xx (P(x=xx)) = x (80) u

$$\rightarrow$$
 S is sample space of reandom experienced. X! S \rightarrow R is called a mandom various \rightarrow $\sum_{x=1}^{\infty} P(x=x_x)=1$

 $\rightarrow \text{ variable } = \sigma^2 = \sum (x_y - \mu)^2 P(x = x_y) = \sum (x_y^2 P(x = x_y)) - \mu^2$

Poinon variable P(xzi) = exh , 2202 = u , 2=n.p

Binomial distribution P(x=k)= nckpkqnk , 50= Inpa

→ Mean of X = np P(E). , variance of X = npq when q=1-p