







E[nax \x,y\] = >n [(ne ->n (ne - ne)da $+\int_{x}e^{-xx}\left(1-\frac{e^{-xx}}{x}\right)dx$ = hu (ehr du du e) nehr du $= \lambda \sqrt{\frac{1}{m} \left[-\frac{e}{\sqrt{\lambda + M}} \right] \sqrt{\frac{\lambda}{\lambda}}} \sqrt{\frac{1}{m} \left[-\frac{\lambda \pi}{\sqrt{\lambda + M}} \right] \sqrt{\frac{\lambda}{\lambda}}} \sqrt{\frac{\lambda}{\lambda}} \sqrt{\frac$ t J Janda $=-\frac{1}{\lambda^2}\left(\frac{\lambda}{2}\lambda^2\right)^{\infty}=\frac{1}{\lambda^2}$ $\sim \frac{1}{\sqrt{4}} = \frac{1}{\sqrt{4}}$ Theo (D. Let X and Y be two R.V. on a prob sq. (I, F.P) s.t. both have finite mean. Then (a) E[X+Y] = E[X] + E(Y)(b) If X and Y are independent, then E(XY)=E(X)E(Y) Proof: We shall prove it only in the case when (X, Y)
have joint downty, though both the results are
time even of X is discrete and Y has pdf (1.0)