8.
$$\sqrt{n}$$
 \sqrt{n} \sqrt{n}

$$Y \sim B(5,e^{-2})$$
 : $EY = 5e^{-2}$

$$2J = 1 \times 1 = 2 \int_{-\infty}^{\infty} \frac{1}{\sqrt{2\pi}} e^{-\frac{2}{2}} dx = \int_{-\infty}^{\infty}$$

若acmet, 周建有 E/X-a/ > E/X-m/

RJ XO~U(0,2R) L=2Rsin X

22, 古经有产报(三) 则(5)

For XEGO H



 $f(x,y)=f_X(x)f_Y(y)$

$$P = \iint f(x,y) dxdy = \frac{1}{e}$$

$$Y \leq X^2, X(0,1),$$

23.
$$\frac{f(x,y)dny}{f(x,y)dny} = \frac{f(x,y)dny}{f(x,y)}$$

 $(Q f_{x}(1) = \int_{\infty}^{+\infty} f(1,y) dy = 0$

fx(1)=\$/_ f(x,1)dx= 1

$$\begin{aligned} & \sum_{i,j} E_{i,j} = \sum_{i=1}^{\infty} \frac{x}{x^{2}} e^{-ixj} dx = 0 \\ & P_{i,j} = \sum_{i=1}^{\infty} \frac{x}{x^{2}} e^{-ixj} dx = 0 \\ & P_{i,j} = \sum_{i=1}^{\infty} \frac{x}{x^{2}} e^{-ixj} dx = 0 \\ & P_{i,j} = P_{i,j} =$$

34 fxly (xly) = f(x,y) = lens xyy

E(xlx=y) = f+0 x de-ly dx = y+ f

E(x'|x=y) = f+0 x' e^{Ax-ly} dx = y' + 2y + 7

1. Dx|Y=y) = E(x'|x=y) - (E(x|x=y)) = 12