~Pois() Problem E(] = k1(\x - k

$$e^{x} = 1 + x + \frac{x^{2}}{2} + \frac{x^{3}}{3!} = \frac{20}{k!} \frac{x^{k}}{k!}$$

$$e^{x} = \frac{1}{k!} \frac{x^{2}}{k!} = \frac{x^{k}}{k!}$$

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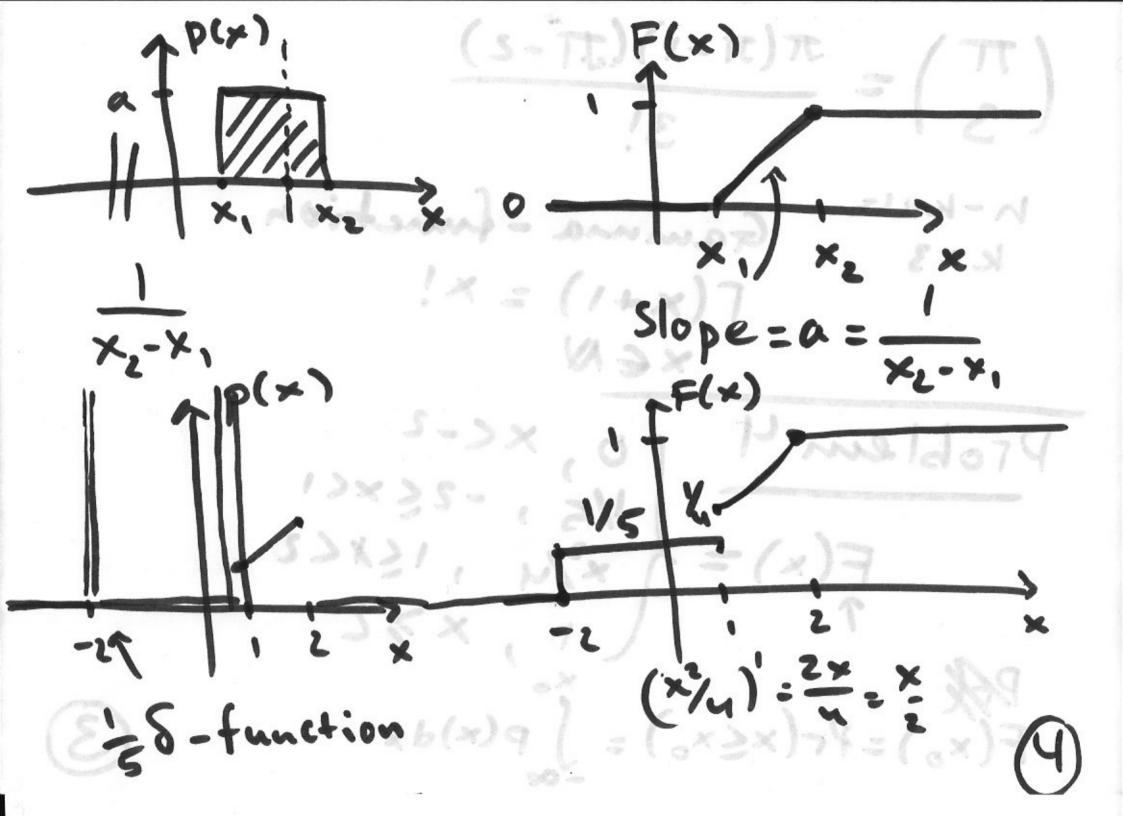
$$e^{x} = \frac{1}{k!} \frac{x^{k}}{k!} = \frac{20}{k!} \frac{x^{k}}{k!}$$

$$\frac{(\pi)}{3} = \frac{\pi(\pi-1)(\pi-2)}{3!}$$

$$\frac{1}{1} = \frac{\pi(\pi-1)(\pi-1)}{3!}$$

$$\frac{1}{1}$$

P(xo)=Pr(xexo)= Jp(x)dx



 $E(x) = \left[x \cdot p(x)dx = \right] \times \cdot dF(x) =$ =x.F(x) |+a Judv: u.v | -

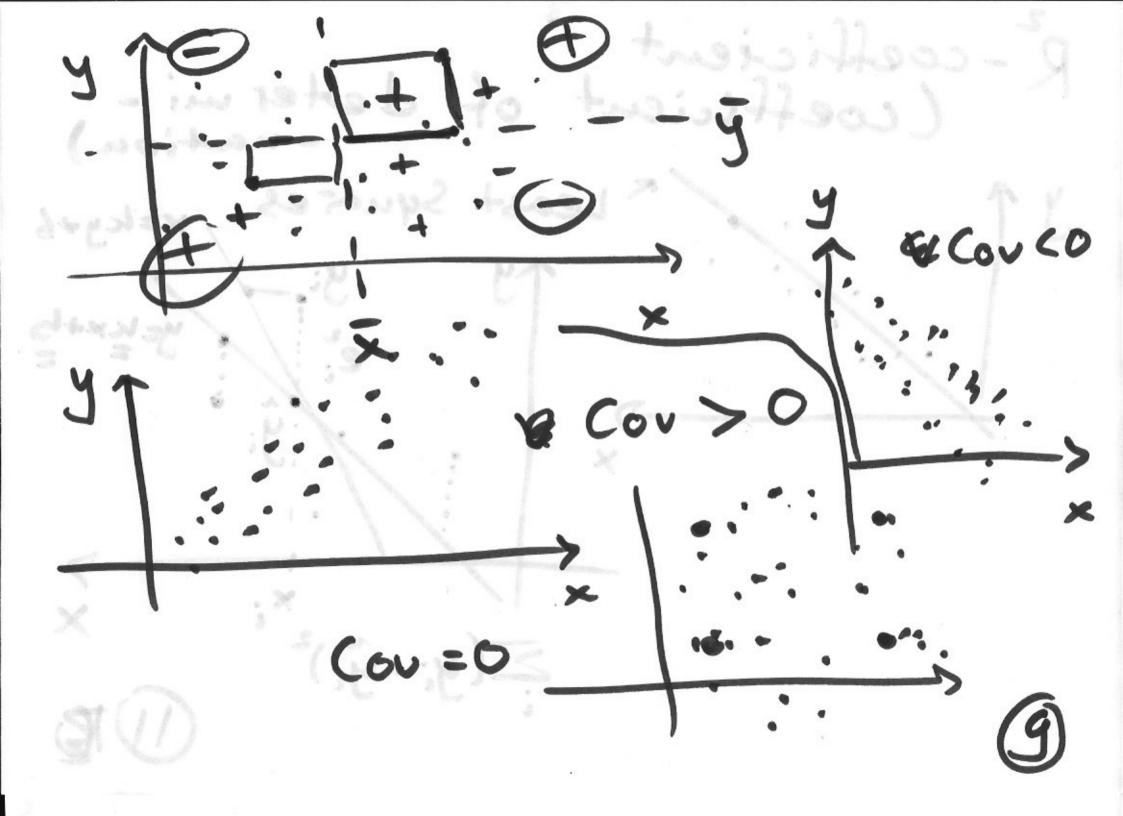
Problem 5 p(x,y)=p(x).p(y) p(1,5)=/6.16 E(x13)=f(3)

HEW H(2) = 0.2 E(x/2) = asg min 2 (x-d(x+y)).

(F-, N) T. ...

Cou(x, M, x) = /an(x)=

Correlation Covariance E  $Cov(x,y) = E(x-x)\cdot(y-y)$ Cov(x, xx) = Var(x) = = 12 (x:-x)



correlation Ce Pearson's coefficient COV(x,4) Cou(x,4) Std(x) Std(y) VVar(x). Var(y)

- coefficient

fraction as janc e explained T(x)

 $p(x,y) = N(x,y)\overline{m}=$ E(ylx) = Jy p(ylx)dy 3 C. (8-h.)