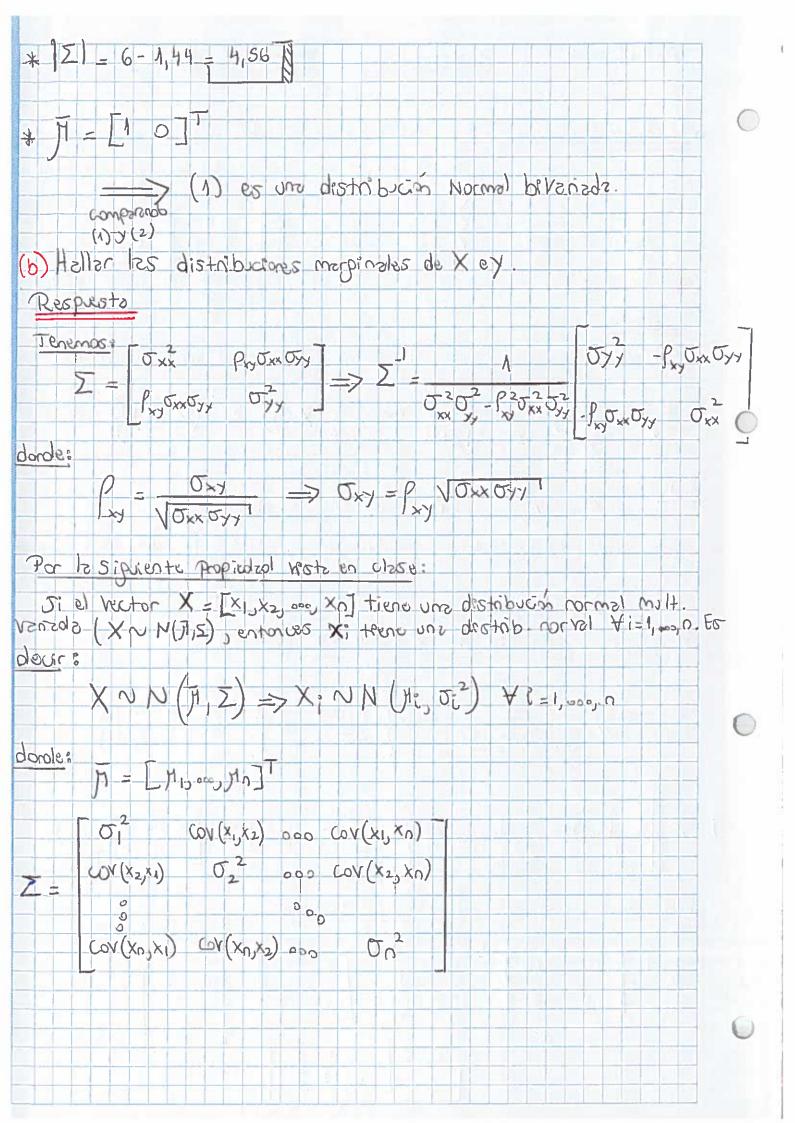
~ 0,22 3 1,2 7 1,12 2 1,12 2



David Canal Probabiledad y Estadístico par IA TP Nº 1	2
Entonus: $\times \sim N(N_{\times_{J}} O_{N_{\times}}^{2}) = \times X \sim N(J_{J}^{2})$	
. Y N N (My, Oy) => [Y N N (0,3)]	
$\int_{X} (x) = \frac{1}{\sqrt{2\pi} O_{XX} } \exp \left\{ -\frac{1}{2} \frac{(x - f_{X})^{2}}{\sqrt{5x^{2}}} \right\}$	
$= \frac{1}{\sqrt{2\pi^{1}}\sqrt{2}} \exp \left\{ -\frac{1}{2} \frac{(x-1)^{2}}{2} \right\}$	
$= \frac{1}{2\sqrt{11}} \exp \left\{ \frac{1}{4} (x-1)^2 \right\}$	
$\int_{y} (y) = \frac{1}{\sqrt{2\pi}} \exp \left\{ -\frac{1}{2} \frac{(y-y)^{2}}{\sqrt{5y^{2}}} \right\}$	
$= \frac{1}{\sqrt{2\pi^{1}} \cdot \sqrt{3}} \exp \left\{ -\frac{1}{2} \cdot \frac{y^{2}}{3} \right\}$	
= 1 exp { - 1 y } }	
c) Calc. E(x), E(y), Var (x), Var (y) y cov (x), Resolución	
Por prop eatroles 195 tes en classes:	
E(X)=11x=1 - dzob X NN (1,2)	
E(Y)=11y=0 -> dzdo pw YNN(0,3)	
V3r(x) = 0xx = 2 -> 11 11 X NN (1,2)	

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