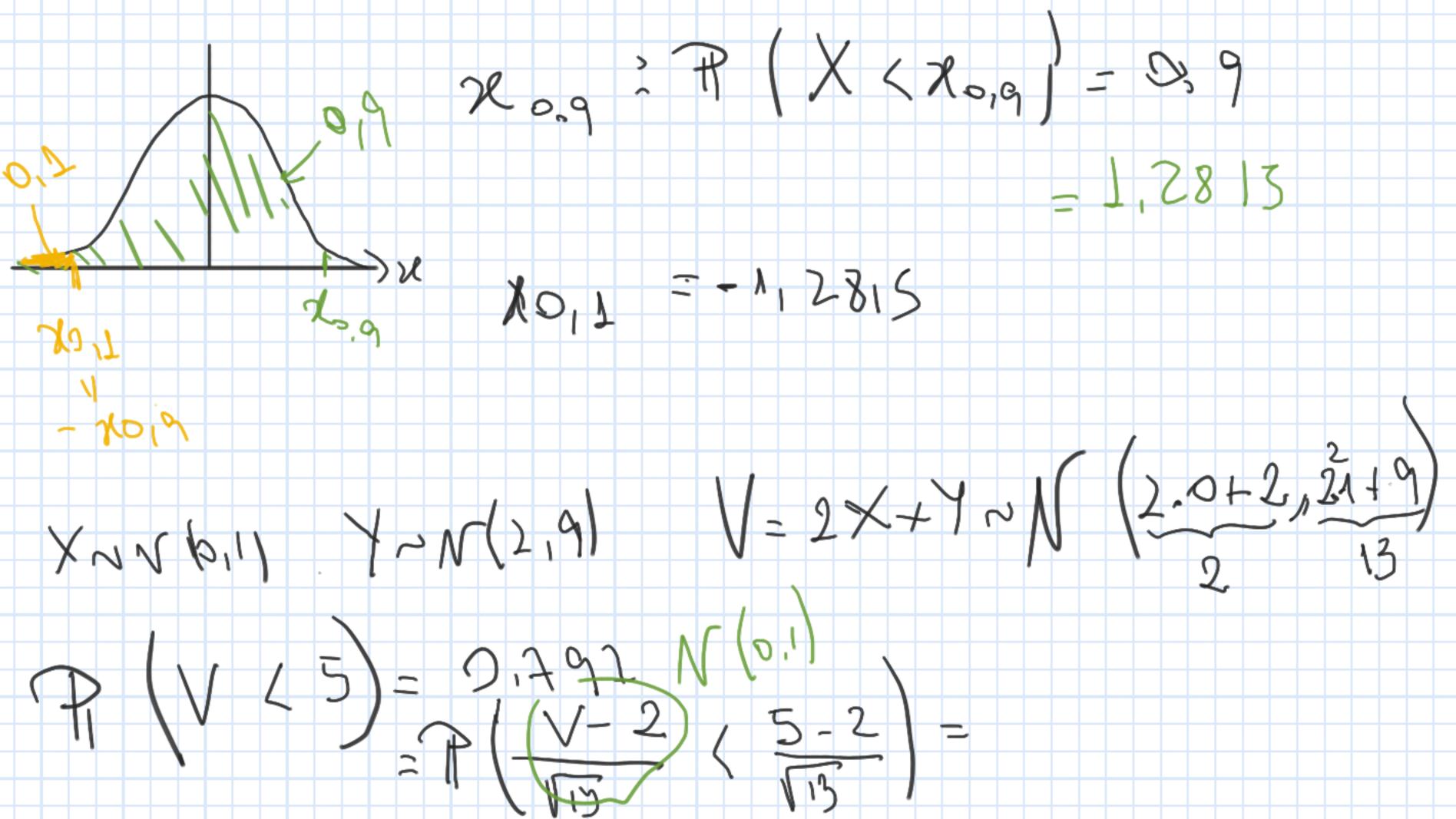


XM/(011) A(X>1)=011586 P (X <-1)=011586 P(1X/(2)=P(-2V+M/X/2V+M) 9/2/9 to mult 6 4 by. · Cols Jeme. De dist Tx (x) = P(X \le x) · ppf = coomtises 2/P(X<Xx)=X



co/o Nomago" Ej. 21 X: Tiem for Roston X~ E (1/5) P(AB) = P(ACB)
P(B) P(X > 2) = e 1/5.2 5x(x)=P(X>x)==15x L=>1-P(X<2)=0.67-32 P(X75 | X73) = P(X75, X73) $= \frac{P(X>5)}{P(X>5)} = \frac{1}{5} \frac{1}{5$ å commen so abib reg

$$f_{\underline{X}}(\underline{x}) = \frac{1}{(2\pi)^{n/2}|\Sigma|^{1/2}} e^{-\frac{1}{2}(\underline{x} - \underline{\mu})^T \Sigma^{-1}(\underline{x} - \underline{\mu})}$$

$$= \frac{1}{\sqrt{2\pi}} \underbrace{\begin{pmatrix} \underline{\chi} \cdot \underline{\gamma} \underline{\lambda} \end{pmatrix}^2}_{\overline{\chi}^2}$$

$$= \underbrace{1}_{2\pi^{-1}} \underbrace{\begin{pmatrix} \underline{\chi} \cdot \underline{\gamma} \underline{\lambda} \\ \underline{\lambda} \underline{\lambda} \end{pmatrix}^2}_{\overline{\chi}^2}$$

$$= \underbrace{1}_{2\pi^{-1}} \underbrace{\begin{pmatrix} \underline{\chi} \cdot \underline{\gamma} \underline{\lambda} \\ \underline{\lambda} \underline{\lambda} \end{pmatrix}^2}_{\overline{\chi}^2}$$

$$= \underbrace{1}_{2\pi^{-1}} \underbrace{\begin{pmatrix} \underline{\chi} \cdot \underline{\lambda} \\ \underline{\lambda} \end{matrix}^2}_{\overline{\chi}^2} \underbrace{\begin{pmatrix} \underline{\chi} \cdot \underline{\lambda} \\ \underline{\lambda} \end{matrix}^2}_{\underline{\chi}^2} \underbrace{\begin{pmatrix} \underline{\chi} \cdot \underline{\lambda} \\ \underline{\lambda} \end{matrix}^2}_{\underline$$

5: Xey Sm msly 3 Cor (X, y) = 2 Si X e Nom X nindep (=) cos (X/1) =0 $P(\chi(2, \chi(-1) = 0, 1378)$

