order. R = +(x) -+(a)

(aredot + I) =

#X = 1 2 - 422 de (d(2+1)=22dx) = \frac{1}{11.2500} \frac{1}{1422} \delta 2 + 1 = 1 m (4x2) - Al Conference. $\int_{\mathbb{R}} \frac{1}{1+2} dz = \infty \int_{\mathbb{R}} \frac{1}{2} dz = \infty$ $\int_{\mathbb{R}} \frac{1}{1+2} dz = \infty \int_{\mathbb{R}} \frac{1}{2} dz = \infty$ $\int_{\mathbb{R}} \frac{1}{2} dz = \infty$ $\int_{\mathbb{R}} \frac{1}{2} dz = \infty$ $\int_{\mathbb{R}} \frac{1}{2} dz = \infty$ Xr. Guely (xo, y) P(X < 2) = - ose of (2-20) + 2 X Hama oran bane

#Xh ~ oo FXk ~ oo za O < k < n (kek) X hama værbare, ro X name u juinepour. $\int_{\mathcal{X}} \left(\frac{1}{2\pi} \right) = \frac{1}{11} \cdot \frac{1}{14} = \int_{\mathcal{Y}} \int_{\mathcal{Y}} \left(\frac{1}{2} \right) dy$

- n-tu monder 399 J P(ezu) =314, 2000 nor 4 P(mengy 1475 n 1535 ezwa)=? P-c: Xi = { 0, unare } Xi ~ Ber (p) P(1475 < X1+...+ Xn < 1335) HTT: Hera XI, Xz. ... Hez. u egn. paznp (iid) a.ben y y= IEXx, r2 = PXx < 0. Torala XND(4152) caro 32 X(2) = 202 20 20 200 20 X1 N (m1, 01) X2 N (y12, 1/2) 1. CX1 ~ N(c.yez, con 2-ct XI ~ M(c+ M1, 012) 3. X1 1/2). X1 + 12 X1+X2 ~ N(y1+y2,11 + 12) Se 2/2 da - Hame Albert Bug

*P(1475 < Xnt. +Xn <1535) -P(1475-4n = X1+ +Xn-71) = 1535-4m $M=\frac{3}{4}, N=2800, \Gamma^2=\frac{3}{16}$ $= \int_{\frac{13}{4}} \left(\frac{2000}{2000} \right)^{\frac{35}{4}} = \frac{35}{4}$ 1230, DX1200 $MP(-1,29 \leq 1/0,1) \leq 1.83$ = 10 1 - 2 dec

$$P(N(0,1) \leq z) = f_{N(0,1)}(z) = \Phi(z)$$

$$P(-1,23 \leq N(0,1)) \leq 1,83$$

$$= \Phi(1,53) - \Phi(-1,29)$$

$$= 0,9664 - (1-0,9015)$$

$$= 0,9664 - (0,0985) = zuro...$$

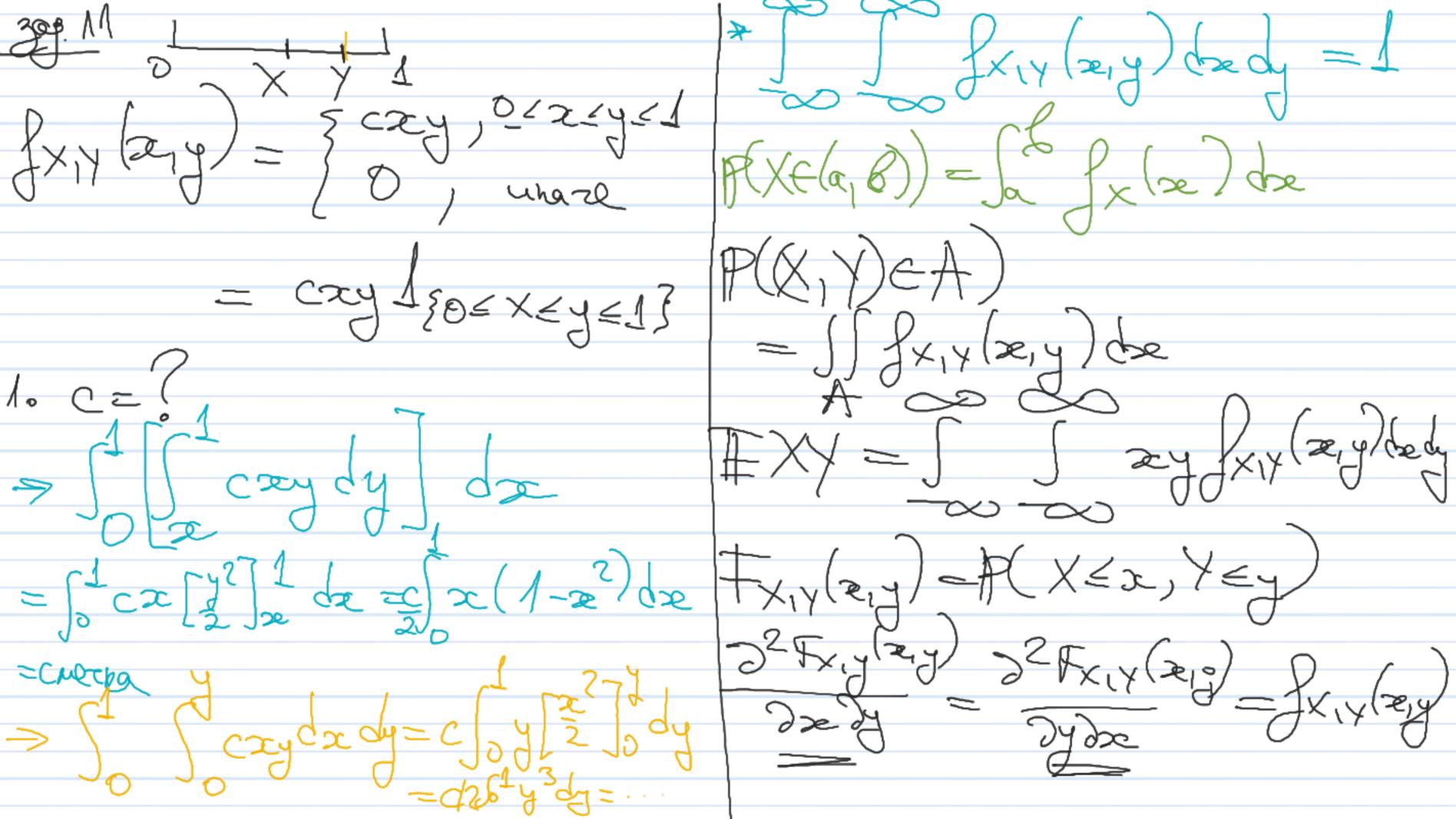
$$\times \sim N(x,x^2)$$

$$\Rightarrow \times - N(x,x^2)$$

$$\Rightarrow \times - N(x,x^2)$$

-1,29 1,83 369 DO No X; = Spane na mubor ne geog i ~ TXp(1110) P(ga rpados ga una pouron crog 3 rogum) = P(ga prooret <75% ha S-rara roguna) Yi = 5 1 jaro grog i padou na 370 a sym (o aus re pasory $P(Y_{i}=1) = P(X_{i} \ge 3) = 2^{-\frac{3}{10}}$ $Y_{i} \sim B_{0} = (e^{-31/0}), \#Y_{i} = e^{-31/0}$ PY:= P(1-p)

 $P(Y_{1}+...+Y_{1000} \leq 750)$ $= P(Y_{1}+...+Y_{1000} + 1000 \cdot e^{-3110})$ $= P(Y_{1}+...+Y_{1000} + 1000 \cdot e^{-3110})$



ork beaux ZZ D dy (=) 200 ; #>

