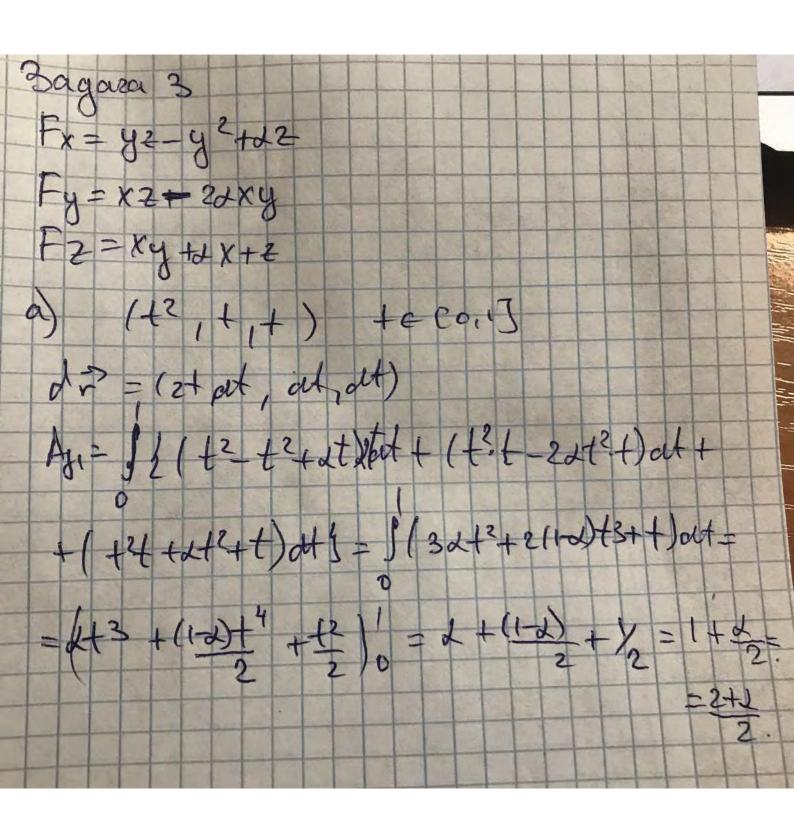
Mexartura KPB2 a) en KPB1. X 2 = X, | MX2 = mg-N-T => -2N+2T=>N=T 2 mx, = mg+V-3T 3agaza 2 $U(x) = \int_{0}^{2} e^{-x^{2}} |x| \le 0$ $\frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} (x-3) |x| > 0.$ 1/2 E=+1 u'(x)=12xe^{-x2} x≤0 € u'(x)20 mpc x20 2x2-2x x>0 € u'(x)20 mpc x20 $U(2) = \frac{2^3}{3} - 2^2 = \frac{8}{3} - 4 = \frac{8}{3} = \frac{4}{3}$

Kommentapun 1) U(x) uneet noxombrerie inventige Ou me u mosansmirer) B 2. 200 evort 2) U(x) unlet nokanskurit makennym & T.D. (40 4 100 Enservir) 200 0007 governo onepr. E=011(0) - 00016 4 aparol . Traen . e parforotant B 3 E-1 cools 1 pagos spaces c pazoop Ba, uaz E=1/2 cools 1 quyob their charloper &x, Omben: a) eu par B E = -1 # 90 7



Z-24y=2-2y=>d=1 8) dxFy=dyfx you = you =>x rosce dxFz=dzfx X = X => down dy Fz =dz fg 20=1 (8 du=-(P,d?)=-(y2-y2+2)dx--(x2-2xx)dy-(xy+x+2)d2= = +w-d(y2x-y2x+2xx)=>11=-xy2+y2x-2x+c Bagara 4 a) Fp=p(p+1)+(q) Fq=g(p) eos qsin3q defp=dp(pfq) cospsin3p (g(p)+pg(p)) 3/8+0+(4) =>+(4)=A cosysingq A 8 = 1 => A = /8 S(24) = B (8(8)+ 28(6))

