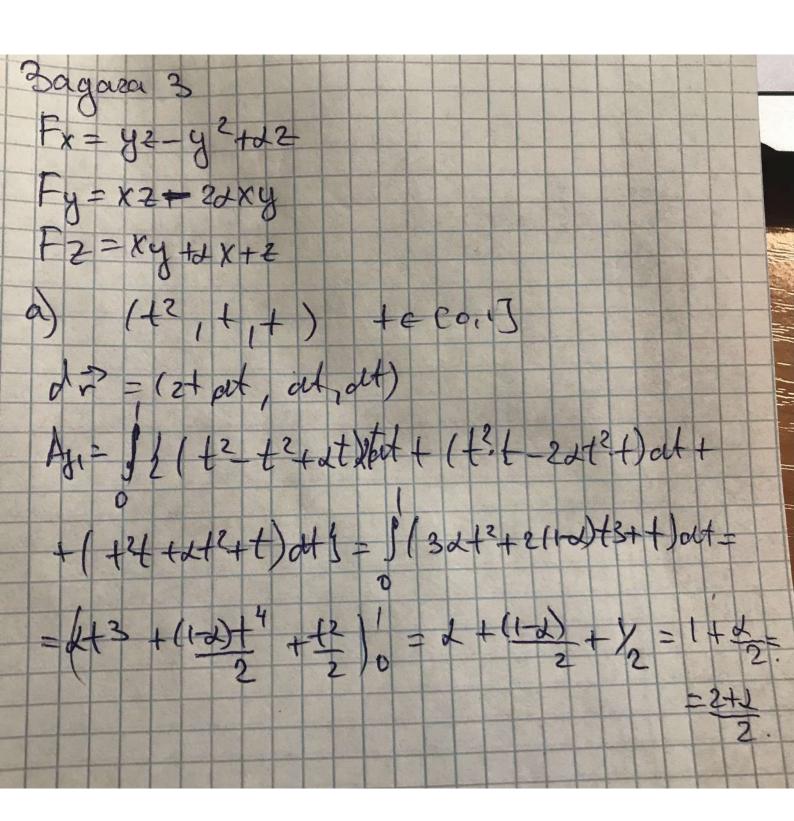
Mexartura KPB2 a) en KPB1. X 2 = X, | MX2 = mg-N-T => -2N+2T=>N=T 2 mx, = mg+V-3T 3agaza 2 $U(x) = \int_{0}^{2} e^{-x^{2}} |x| \le 0$ $\frac{1}{2} x^{2}(x-3) |x| > 0.$ 1/2 E=+1 u'(x)=12xe^{x2} x≤0 € u'(x)20 mpc x20 2x2-2x x>0 € u'(x)20 mp x-0 u $U(2) = \frac{2^3}{3} - 2^2 = \frac{8}{3} - 4 = \frac{8}{3}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

Kommeriapun 1) U(x) uneet novambrerit unrungs Ou me u mosansmirer) B 2. 200 evort 2) U(x) unlet nokanskurit makennym & T.D. (по не побельноги) это соод уровно опери. Fo=0 И(0) — соод 4 оразов траен в 3 F=1 cool 1 pajob spaller e pazbop Ba, uaz E=1/2 cools 1 payob their charloper &x, Omben: a) eu par # 90 7



Z-204=2-24=>d=1 8) dxFy=dyfx gra = gra => x xxxxx s dxFz=dzfx X = X =>du dy Fz =dz fg 20=1 (8 du=-(F,d7)=-(y2-y2+2)dx--(x2-2xy)dy-(xy+x+2)d2= = +w-d(y2x-y2x+2x+)=> 11=-xy2+y2x-2x+c Bagana 4. a) Fp=p(p+1)+(q) Fq=g(p) eos qsin3q 24 fg = 20 (4 fq) cospsin3p (g(p)+pg(p)) 3/9+0+(4) =>+(4)=A cosysingq A B = 1 => A = /B S(24) = B (8(8)+ 28(6))

