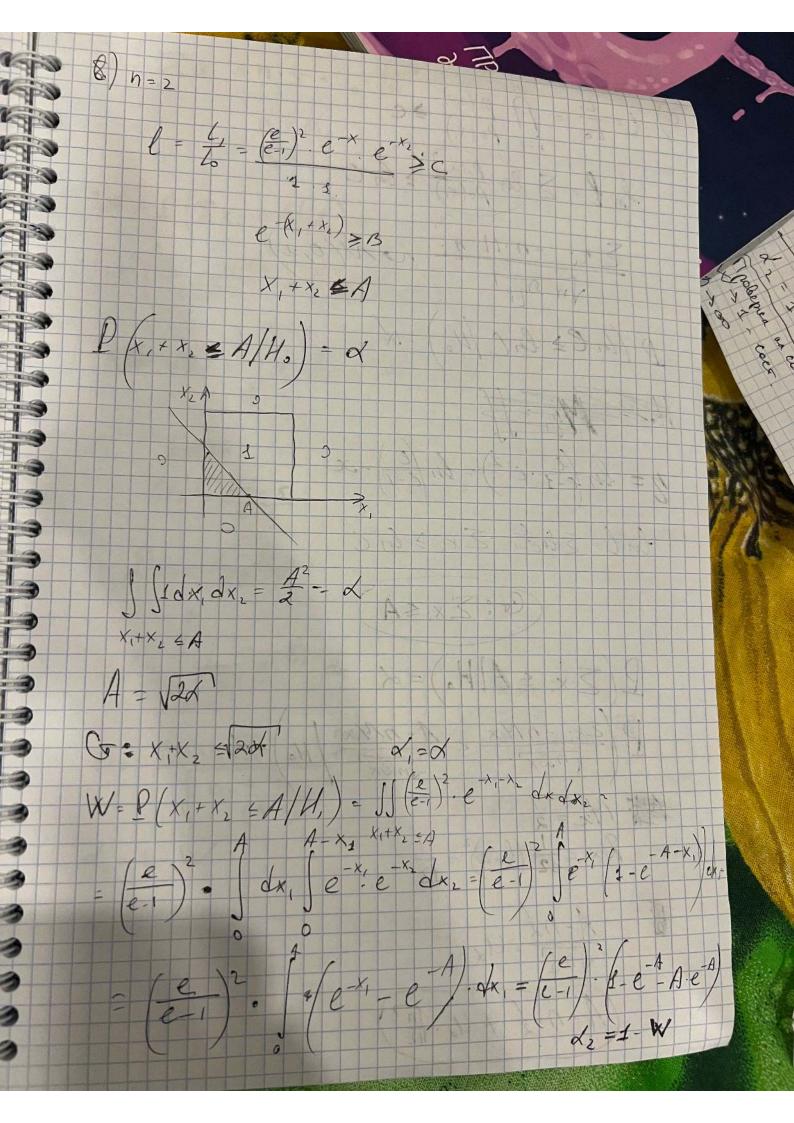
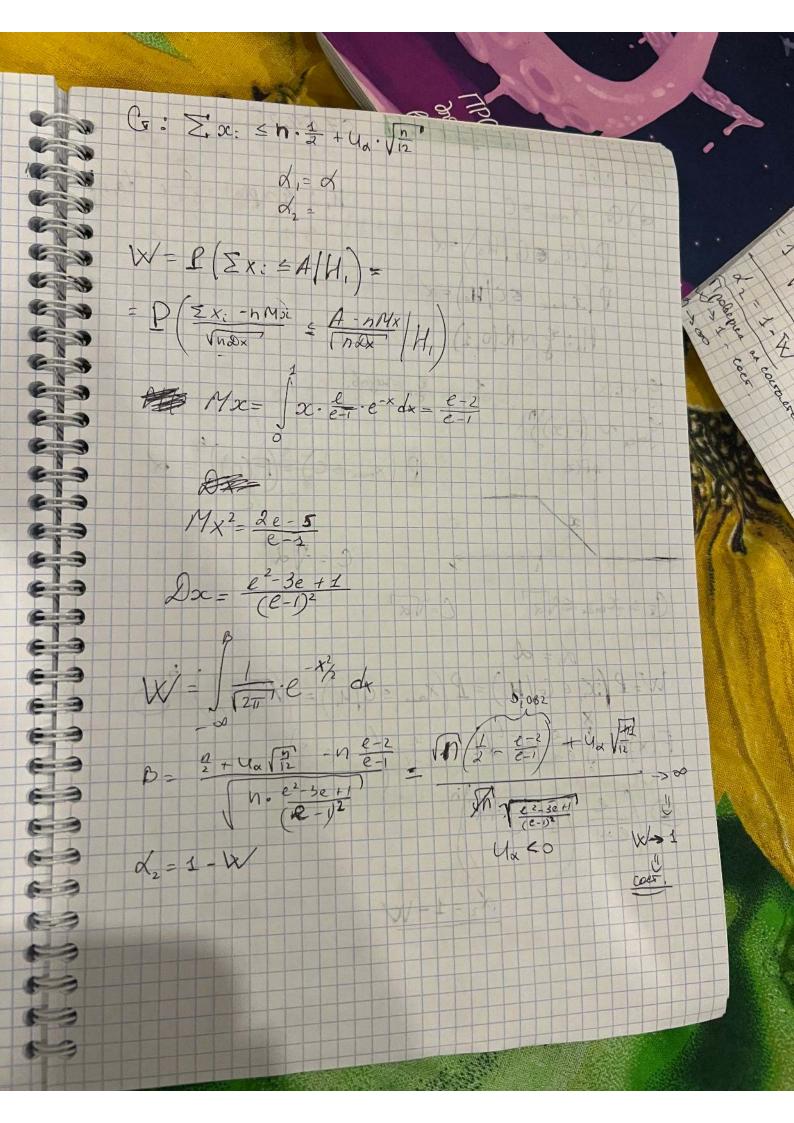
Ho: g ~po(x) = 1/2(0,1)} a) n = 1 d $e^{-1} \cdot e^{-1} \cdot e^{-$ e-x = B -> x = A = lug, Gr $P(x \leq A(H_0) = d$ 10x = A = X G: x < d W = D(x = A = U,)e e-x dx = e-1/1-e-02 = 1 - W T.k. unorega apocoas



 $P(\ln e \ge \ln c/u_0) = \alpha$ 2 = ln (e - 1 · e - 2) - ln (e) -x lu l= 2 lne, - 2x. 2 ln C Co: ZxisA (= x; = A | H.) = x Ex: -n/x A-n/x $M_{x} = \frac{1}{2}$ $M_{x} = \frac{1}{12} (6-a)^{2} = \frac{1}{12}$ A-12 Ux= A-n. 2 + Ux . [12



d) G: xmin & C Ho: grp(x)=11(0,1)3 H: - g~p(x) = e-1 e 2(0, x)] · P(x'n ∈ Cr (Mo) = d I (Xmin & C (No) = X Mo: g~R(0,1). $\mathcal{G} \sim f_s(x)$ \dot{g}_s & seyabur 8min~1-(1-Fo(x)) P (×min € C) = 1 - (1 - F(€)) = 0 C=4-7/1-2 (7: 2my 4 1-4) W= P(xn eG/H) = P(xmin = C/H,) = 1-(1-F,66))-= (c) = Se e - x dx = e (1 - e + 1) = 1-(1-2-(1-2-3)) d = 1-W Modepica as cocronerensuocs 8! W > 1 - coer 1-300

