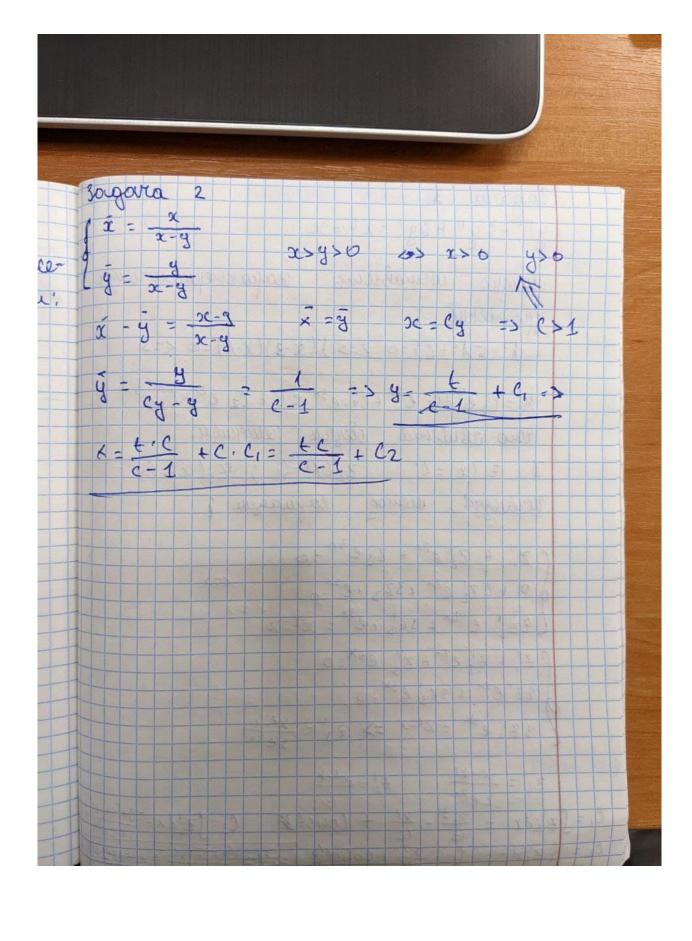
12.2021 Korimporthiail pasoma Vez

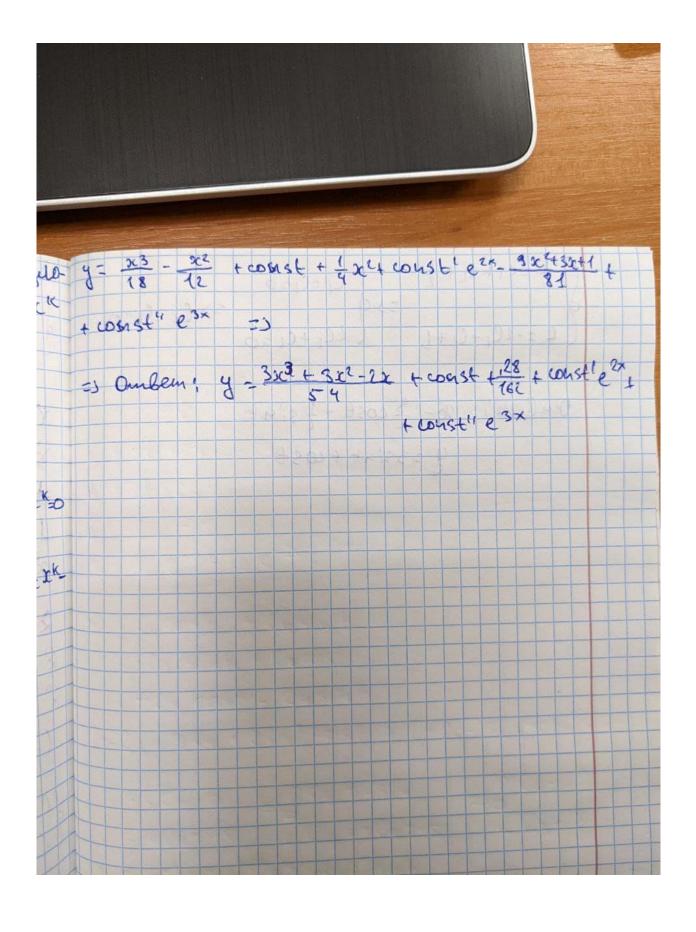
Saintiguerol Majorphysolc M3237

Bagara 1) Hairu Brapol Museusier

Kul Tukapa k peurenyo zagaru: § 3c = t3c x(0) = 1; y(0) = 0 ₹ ÿ = y²++ t0 = 0 90 = (20) 4K+1= (20) + jf(s, 4K(s))ds d5 = Drubem

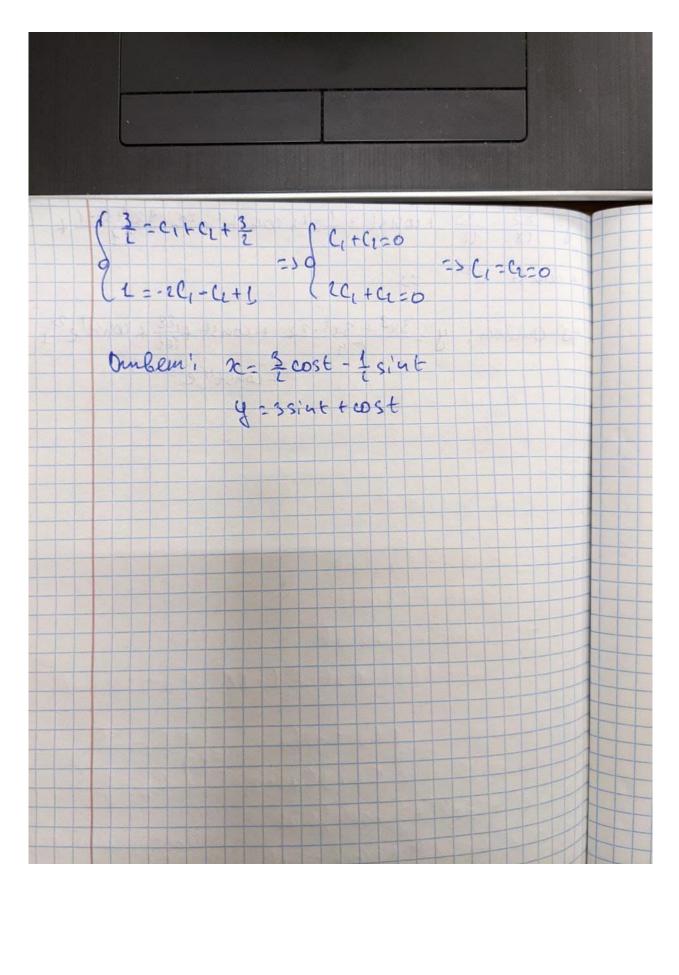


Bagara 3 y"1 - 5 y" + 6 y = x2 - x Mosicio cocinabsemb scaparmeperamientos ypolliene 13-512+61=0 2=> 1(x-3)(x-4)=0 (=> y= C, e+ Ce e2+ C3 e3+ = C, + C2 e2+ C3 e3+ uno Ilialmea oseguie pelueteuell. ] Z(x)=(; Z(x)=G; Z3(x)=C3 Unaugut vienog bajuague ; (Z' + Z' e2x + Zze3x zo 0 + 2 2 2 + 3 2 3 . 63 =0 L42, e 1x + 32, 1e3 = Dc2-De ( z' + z' e² + z' e³x = 0 2 z' e² + 3 z z e³x = 0 3 z'z e³x = xt-x => z z' = xt-x 3 z z e³x = xt-x => z z' = xt-x C2 = Szidx = 1 . 22 + Consta =



Bagara 4 Hairgaine peurenes cucments | x = 3x - y + 5cost ygobiembouriouge youbleso 1 = - 30c - 9 -5 sin t = - 30c - 2 oc - 5 sint i + 3x +2x = - Ssin E 12 +5d +2=0 1=-2, -1 x= c, e-+ c, e-2+ 2 = Cz cost + Cysint 1 2 - C3 sint + Cycost x = + (3 cost - Cyslyt (-C3+3(4+2(3) eost + (-C4-3(3+2(4) sint =0 Cs + s C4 = 0 = s C3 = -3 C4 = s C4 = - \frac{1}{2}

C4 + 9 C4 = - 5 C3 = \frac{3}{2} 12= C, e-+ CLe-2+ + 3 cost- 1 sint ungemakelek Ma) di = 2 Ciettice et + 3 cost - sint 100 4 = - 20, et - Cze 2+ + 35,4+ + cost



5) Kaigame Kosopopayuerum as neu kazie recercia e omenerciai pue Zakar periend zagaru Konin y"+(2-x4)y=0; y(0)=0; y'(0)=1 How to Tomascent E ( K+1) ( K+1) aut 2 2 4 1 2 2 ak 2 k + E - ak 2 2 k 2 2011201603x+201x+2 (K+1)(K+1)aK+12K+2aKIK - ax-2 xx=0 (=> a == 0 ; a == 1 laitla0=0 (=> lai=-la0 <=> ai=-a0 =302:0 6a3+2a1=04> a3= -2a1 = - \frac{1}{3} 1= -\frac{1}{3} ay=00- Laz =0 20 as + 2 as - a = 0 (2) (=> Oanbem! a5= a1-la3 = 5