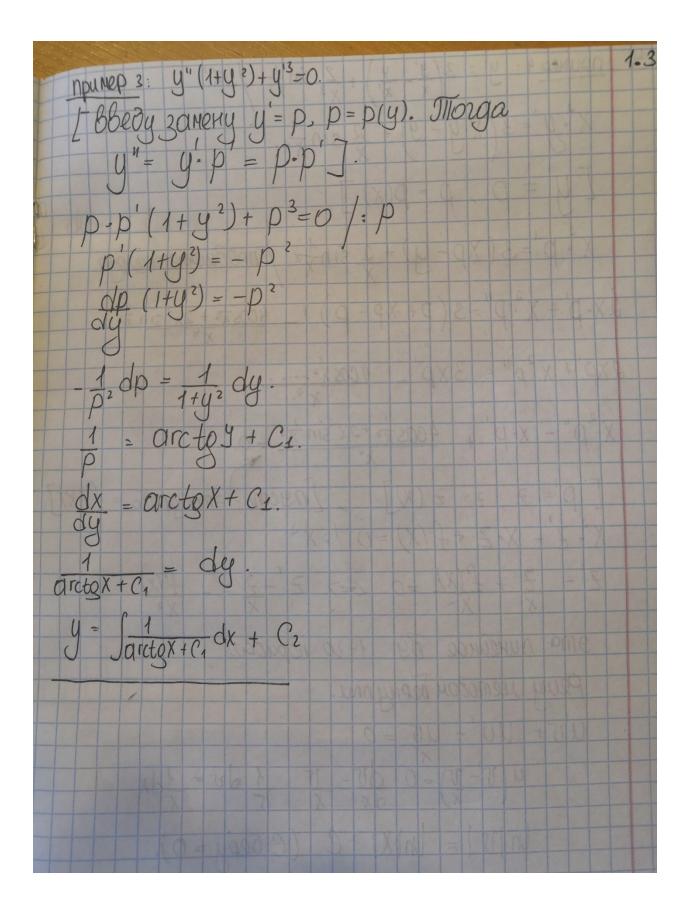
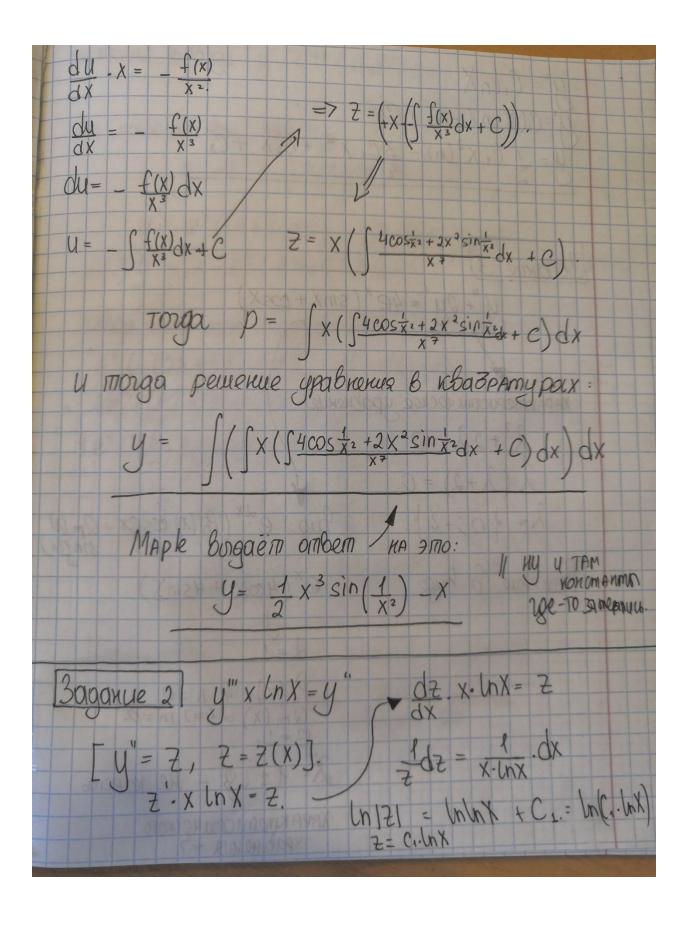


1.2 npunep 2: yy"-y"-yy'ctg x=0. Unit! = Unisinxi + Ci = Unici sinxi t= CISINX $\frac{dy}{y} = e_1 \sin X$ $\frac{1}{y} dy = e_1 \sin X dx$ lny = -C1 cosX + C2 -C1 cosX + C2. CIER => CI npoxogum 100
IR u -CI TAKXE. Поэтому за ненью ЕС, на y = e C1 cosx + C2.





 $y' = C_1 \ln X$ $y' = C_1 \ln X$ $y' = C_1(x \ln X - x) + C_2$ $y = 1 C_1 x^2 \ln x - 3 C_1 x^2 + C_2 x + C_3$ 3авоние 3,1 $y'' + 2y' = 4e^{x}(\sin x + \cos x)$ характеристи ческое уравнение 22+22=0 $\lambda(\lambda+2)=0$ Bug: ex (Pn (x) cos gx + Qm (x) singx)

ex (40x + 4sins). 1 = 20;-26. Pemerue & Buse $P_n(x) = 4, n = 0.$ $Q_m(x) = 4 = 7 m = 0.$ $Q_m(x) = 4 = 7 m = 0.$ $Q_m(x) = 4 = 7 m = 0.$ XARA KMEDUOMUYECKOM ypab ne kus =7

