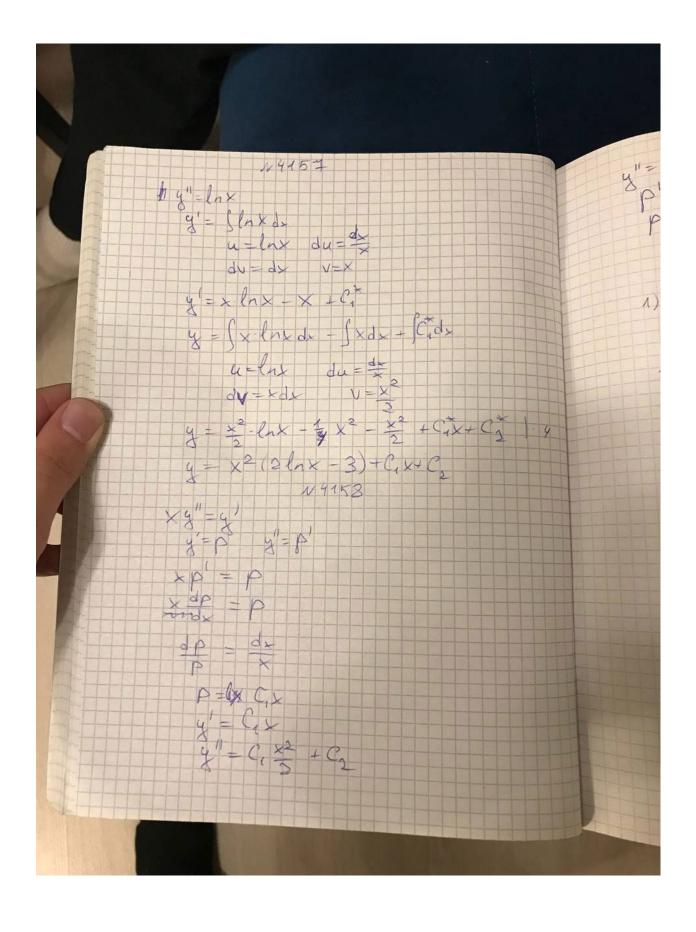
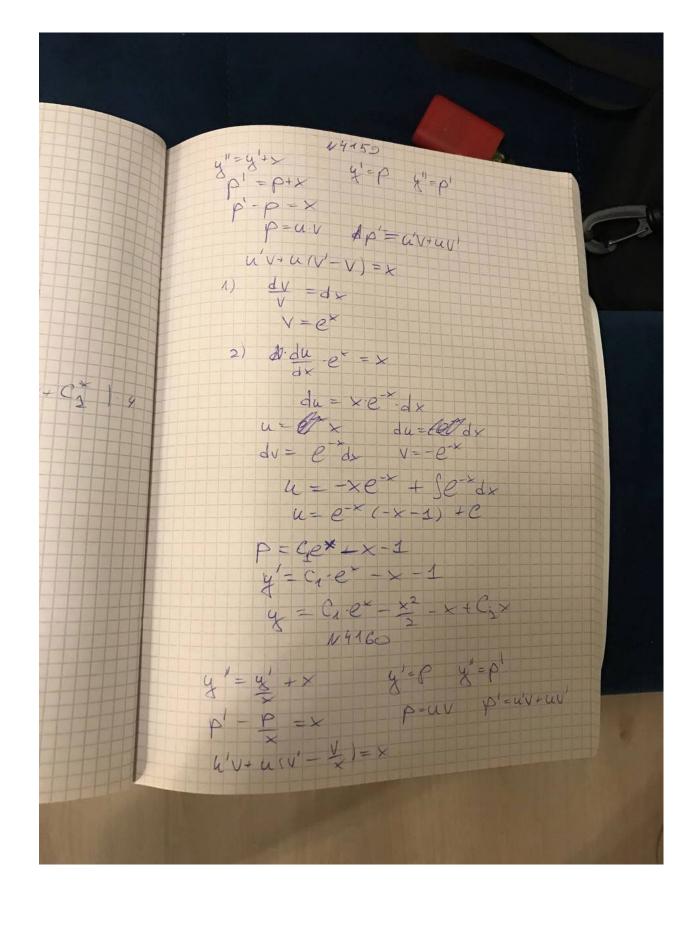
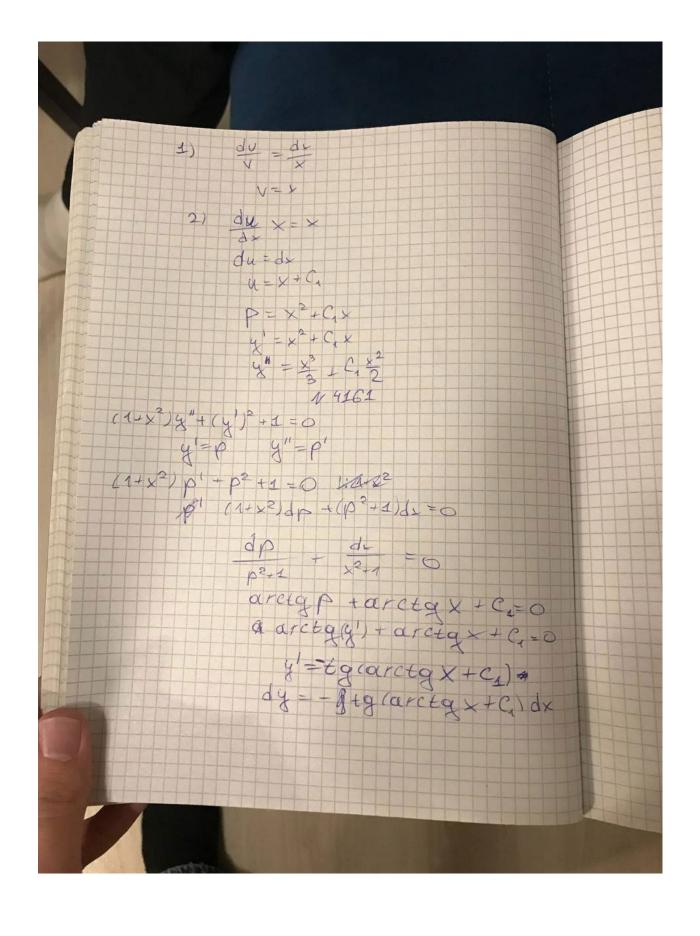
(x2-3in2y)dx - VSin2y dy=0 y" = x+ Sinx y - JX+SINSXX y' = x2 - cosx+C y = x3 - SIAX + Gx + C2 y"=arctgx y'= Sarctg xdx u=arctq+dx du= i+xa dx y'= x arc+gx + { (n(x+1) + C, y = Sexaretaxdx if Cncx2+1 St C, dx $\begin{array}{cccc}
u = \alpha r c t g \times & du = \frac{dr}{1+r^2} \\
dv = \times dx & V = \frac{x^2}{r^2}
\end{array}$ ·e-4 y= x2 arctgx - 1 (59dx - 51 dx) - 2 1 (n(x2+1)dx + 54 y= 2 arctqx - 1 x + 1 arctqx - 1 Sln(x2+1 dx + C1X+C2 $u = \ln(x^2+1)$ $du = x^2+1$ dx = dx v = xdy =dx 1 / farctgx-(x2+1) - 1/2 x - 1/2 x (n(x2+1)+1/4 ln(x2+1) + C1 x + C3x







14165 $xy'' = y' \ln x'$ $xp' = p \cdot \ln x$ $p \cdot \ln x \cdot x \cdot dp = 0$ $p \cdot tx \cdot \ln t \, dx - x' dt - xt dx = 0$ $tx \cdot \ln t - 1 \cdot dx - x' dt = 0$ $\frac{dx}{x} = \frac{d(\ln t - 1)}{\ln t - 1} = \ln c^{x}$ $\ln |x| = \ln \ln t - 1| = \ln c^{x}$ 0 u=x du=dx cx12 dv=ecx1dx v= 1 ecx12 dx Jdy = = = x e Cx+1 - 1 fe Cx+1 dx
y - 1 x e Cx+1 - 22 e Cx+1

