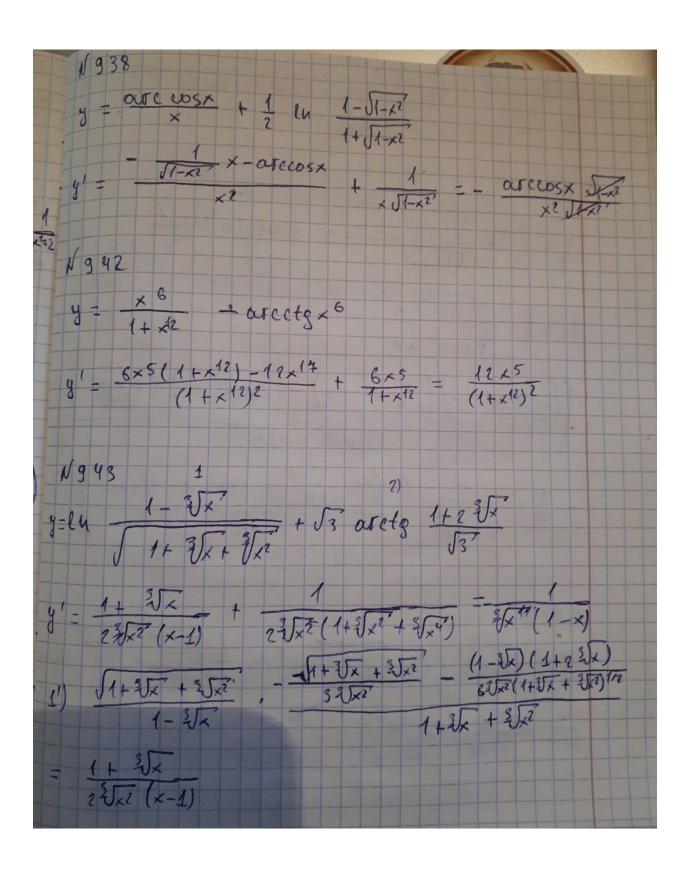
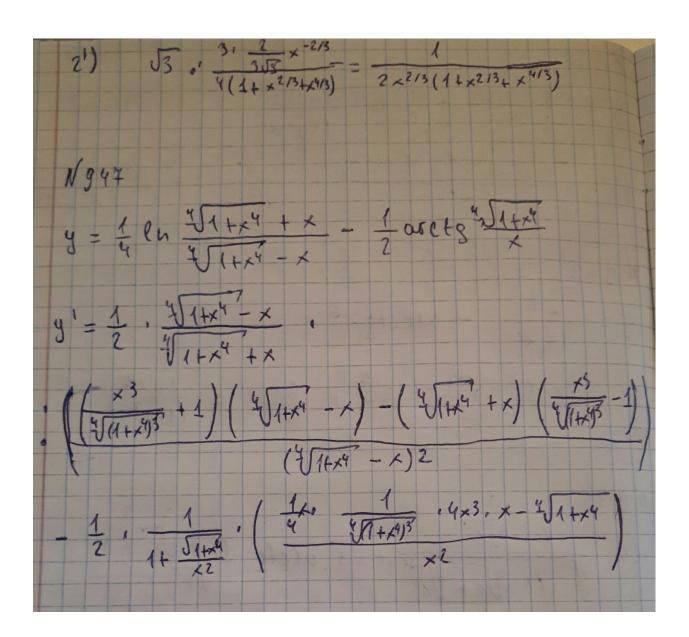
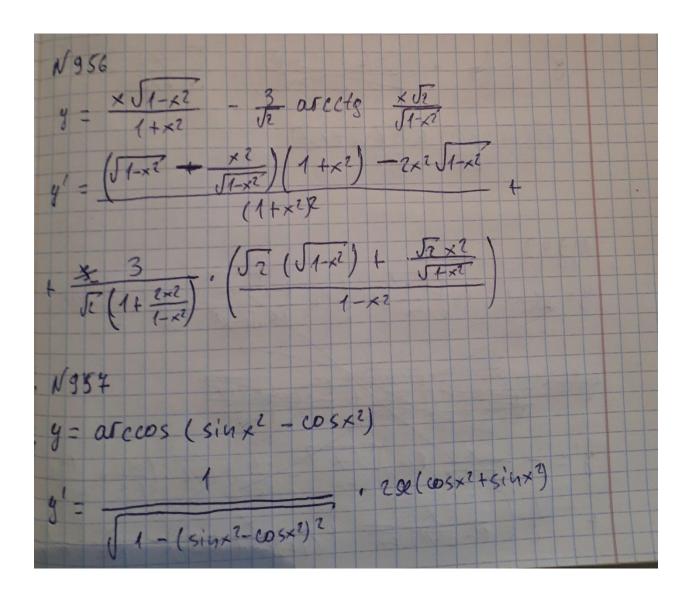
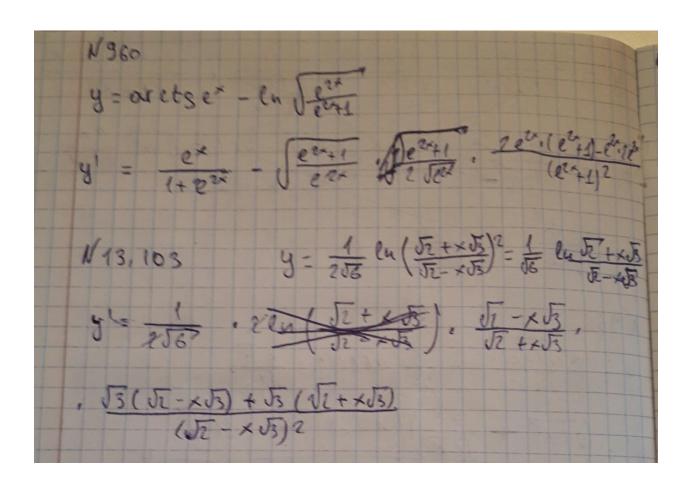
Thurobeere N 845 $y = \frac{2 \times 1}{1 - \times 2}$; $y' = \frac{2(1 - \times^2) - 2 \times (-2 \times^2)}{(1 - \times^2)^2} = \frac{2(1 + \times^2)}{(1 - \times^2)^2}$ N 850 $y = \frac{x^{p}(1-x)^{q}}{1+x}; \quad y' = \frac{(p \times p^{-1}(1-x)^{q} - q \times p'(1-x)^{p-1})(1+x) - x^{p}(1-x)^{q}}{(1+x)^{q-1}(1-x)^{q-1}(p-(q-1)x - (p-q-1)x^{2})}$ $= \frac{x^{p-1}(1-x)^{q-1}(p-(q-1)x - (p-q-1)x^{2})}{(1+x)^{q}}$ N 858 $y = \sqrt[3]{\frac{1+x^3}{1-x^3}}$, $y = \frac{1}{3} = \frac{3 \times 2(1-x^3)}{(1-x^3)^2}$, $3 \times 2(1-x^3) = \frac{3 \times 2(1-x^3)}{(1-x^3)^2}$ 1/859 J1+x2 (x + J1+x2) $(\times \sqrt{1+x^2} + 1 + x^2)^2 \cdot (\sqrt{1+x^2} + \sqrt{1+x^2} + 2x)$ = - 1 + 2 x 2 + 2 x J1+x2 = - 1 J1+x2 (1+x2) (x + J1+x2)2 = - J(1+x2)3

N863 y =(2 -x2) cosx + 2xsinx = (7005x - x2 005x +2xsinx) y'= - 2x cosx -2sinx +x2sinx + 2sinx +2xeosx=2sinx N868 y' = cosx ; y = -2 siu3x - 4 siux cos2x = - 1 + cos2x 2 siu3x N842 y = t8x - 1 +83x + 1 +85x y' = 1 - tg2x + tg4x
cos2x 1/879 4 = 3082 × + cosex2 × y'= 2 sec² x tgx - 2 cosex² x etgx N880 y = ex(1+ctg x); y'= ex(1+(tgx)+ ex(1, (+1)) y = x a + a x a + a a x x y'= a a a + + a x a - 1 a x a lua + a x . a a x lu a y= 293 x2; y'= 3292 x2. 1. 2x. 1 = 62092x2 N894 4-5x+1 - en (1+5x+1) 1/895 y = lu(x + Jx2+1) y = 1 (1 + 1 /2x) = = 1 N898 y = x 5x2+02 + a2 en(x+ 5x2+02) 9' = 1 \(\int \frac{2}{2} + \frac{\times}{2} \) \(\frac{1}{2} \)



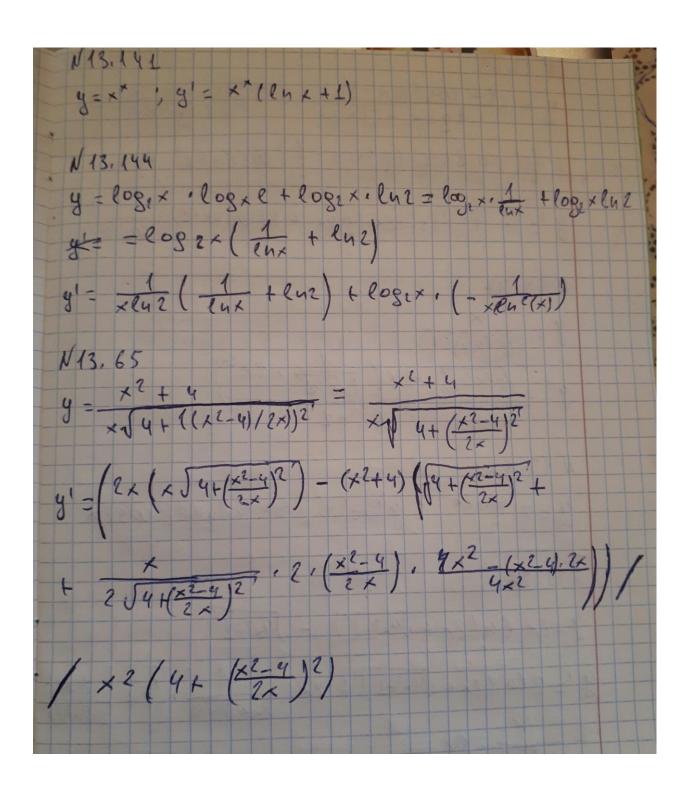






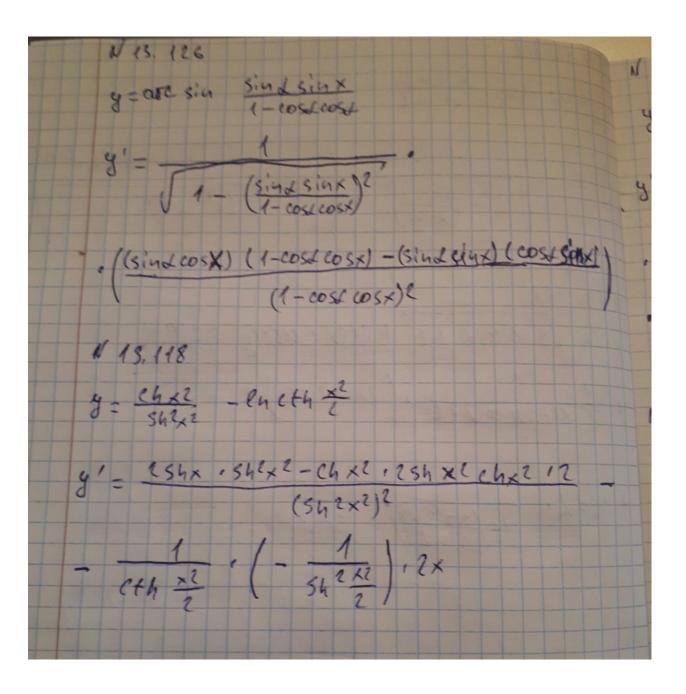
y = (0,4 cos (8x+5) -0,6 sin 0,8x)2 y'=2(0,4 cos(8x+5) -0,6 sin 0,8x). · (-0,45/4(8x+5)18 -0,60050,8x10,8) 1 13.68 9 = ctgx2 - 1 +832x y'=1ctgx. (- 1 - tg22x. 1032x.2 N13,72 y = { are to \(\frac{1}{2} - \frac{1}{3} \) are to \(\frac{1}{3} \) y'= \frac{1}{9}, \frac{1}{1+\frac{1}{2}} N 13.81 y = 3 arets (2x+111); y' = 2.3 arcts (2x+111) 1 en3

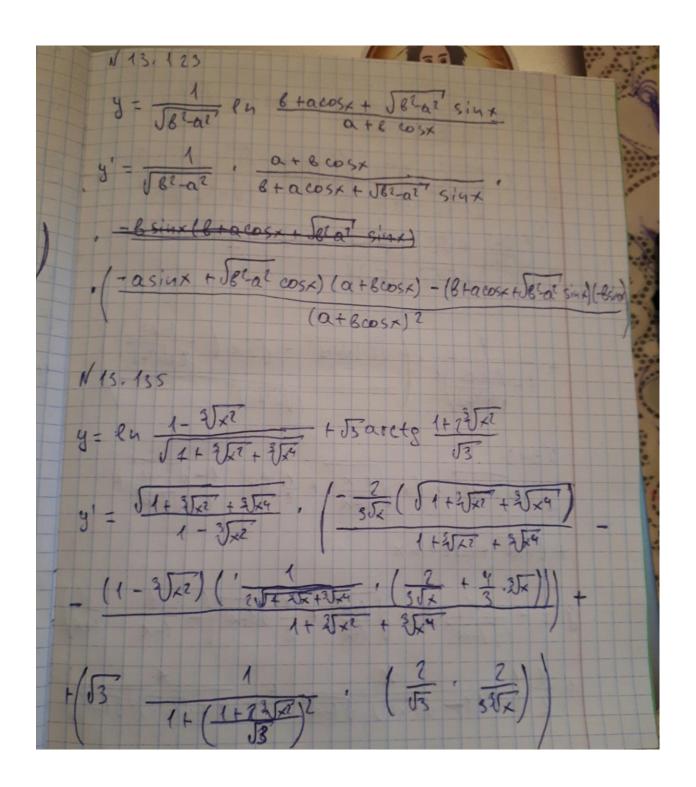
N 13.87 y = arctg (th (x)) 91 = 1 + tb(x)2, sech2(x) N 13.97 y=sin(aresinx)=x 9'=1 N 13.109 y = log2 log3 log5 x; y' = log3 log5 x lu2 18110 N13.112 y = 2 (u (Jx7 + 51+x7)



y = 1 - cos (8x-311) = -1+cos (8x-311) = 1+2x - (+2x) = 1 (-cos8x-1) + g 4x = - 1 (cos8x+1) . + g 4x y'= = = { (-85 in8x +84x + 4 (cos 8x+1) , 1 N 13.117 y = x / (p 2x_1)1/2 4' - Je2x-1' - x (2 Je2-1' , 2 e2x) N 13,71 9= 2 sin 2x 1, 91 = 2, 2 sin 2x, en (2) cos2x N13.96 y=2x en(2x+ J4x2+17) - J4x2+17 y'= 2 en (ex+ 54x2+1) + 2x - 1 (2+ 8x) - 1 . 8x

N 13, 104 y = our ceos xen-1 y'= - \(\left(\frac{2n-1}{\chi^{2n}+1}\right)^{27}\)\(\left(\frac{2n-4}{\chi^{2n}+1}\right)^{2}\)\(\left(\frac{ N13, 128 y=ln Jxl-lxcos L +1 + ctgd : oxctg x-cost y'-1. 1 (2x -2005)+' + ltgd. 1+ (x-coxte) sind





y= en [Jx4+1' - J2 x - 0x5ct8 J2'x y' = 1 Jx4+1 + 52 x ((2x3) - 52) (5x4+1 + 52x) 2 (3x3 + JZ) (54+17- JZ x) -(5x4+1 + JZ x) 2 1 + (Jx4+1) 2 (Jx4+1) 2 (Jx4+1) 2 N949 4-21-x2 , lu 1/1-x + 1 lu 1-51-x2 + + JI-x2 + aresinx 9'= - X lu Jix + 1 Ji-xi (- 1-x - 1+x) + 1 (1+ J1-x2) J1-x2' + (1+ J+x2)(J1-xi)

- Ja-xi + Ja-zi = Ja-xi - X en Ja-xi / 1+x