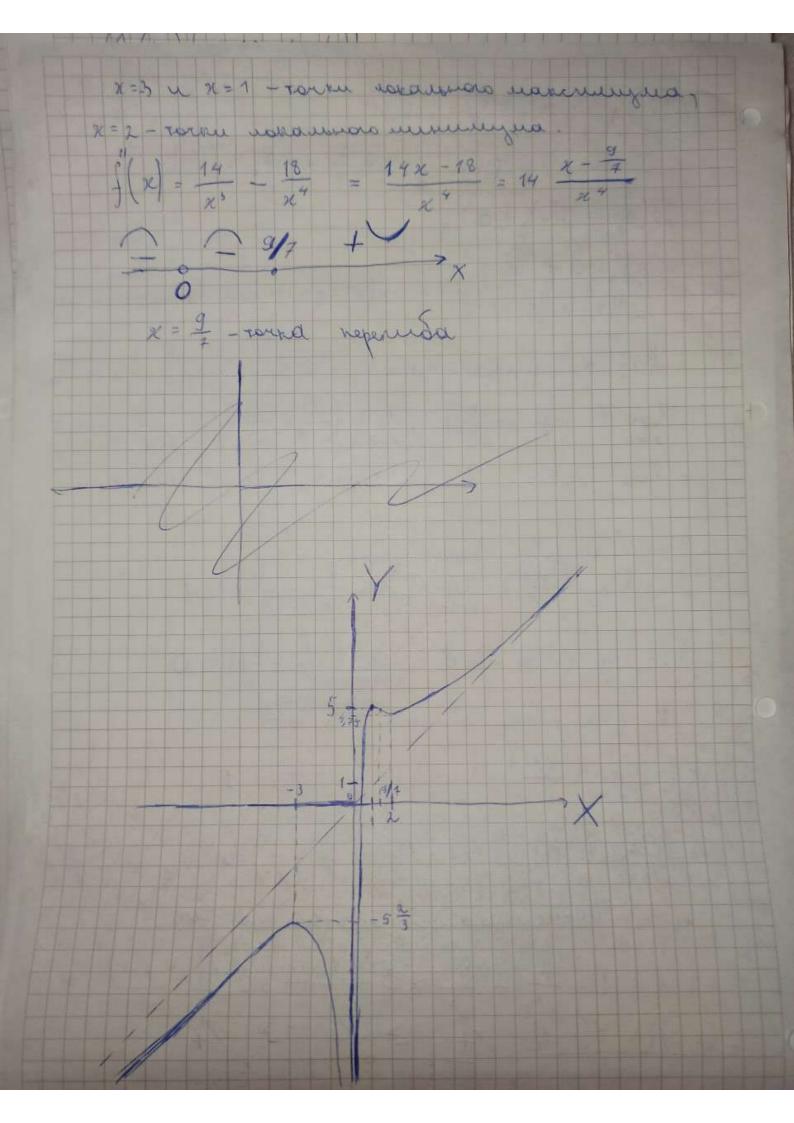
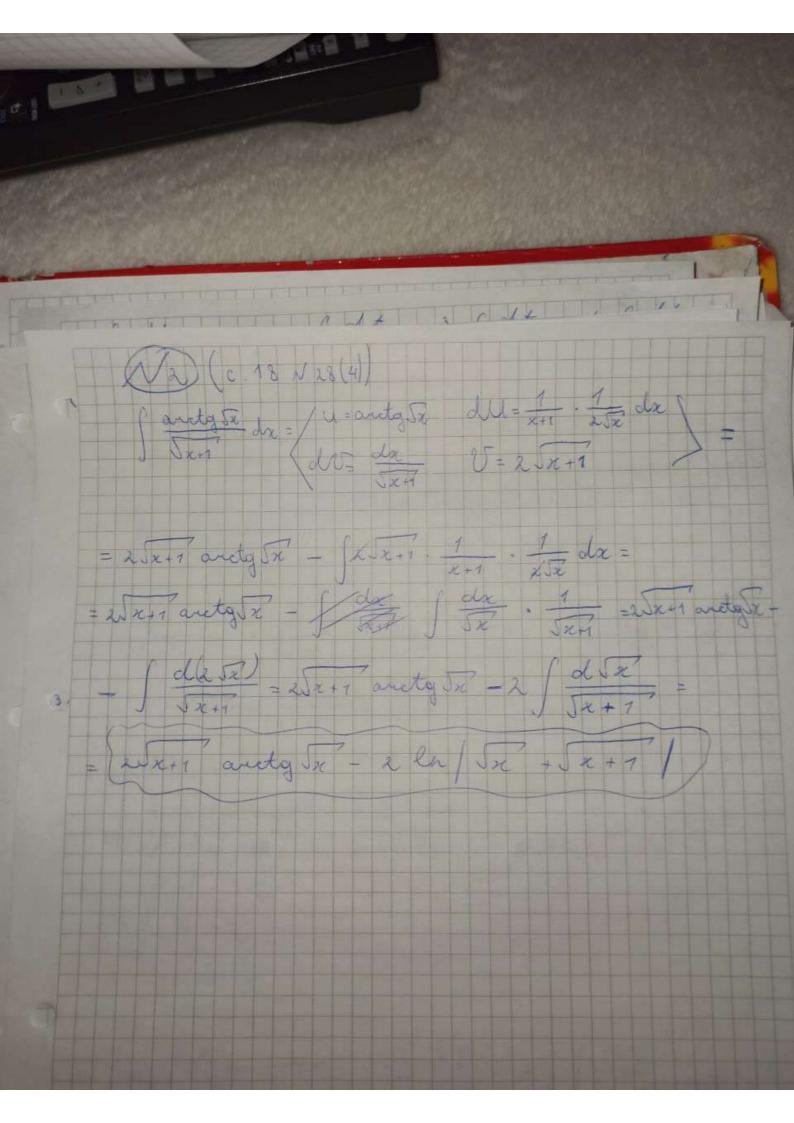
(V) (c.405 N5(5)) Tractioner sparque y=x+ = + = = f(2) D(1) = 1R/ (0) $\left(\frac{f(-x)}{f(x)} \neq -f(x)\right) - f(x) - quencus Sueso$ f(x) ne reprograma tim (x + \frac{7}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = -20 = \frac{1}{2} = -= lin , T. e - 10 = 0 + begannenmen Torea parpola lapora paga $\frac{7}{4}$ = lim $\left(1 + \frac{3}{26} - \frac{3}{23}\right) = 1$ $l_+=\lim_{x\to\infty}\left(f(x)-h_+x\right)=\lim_{x\to-\infty}\left(\frac{7}{x}+\frac{3}{x^2}\right)=0$ V y=x - Hamesman + co +00 14 = Rim (f(a)) = lim (1+ 2 - 3) = 1 6-= lim (f(x)- &-x) = lim (7 - 3) 20 y=x- makinguna accuminator ma -as f(n) = 1 - 7 + 6 = x 3 + 7x + 6 = (x + 1)(n + 2 - 6) = (2+3)(2+1)(2-2) 2+ = 2+ = 2+



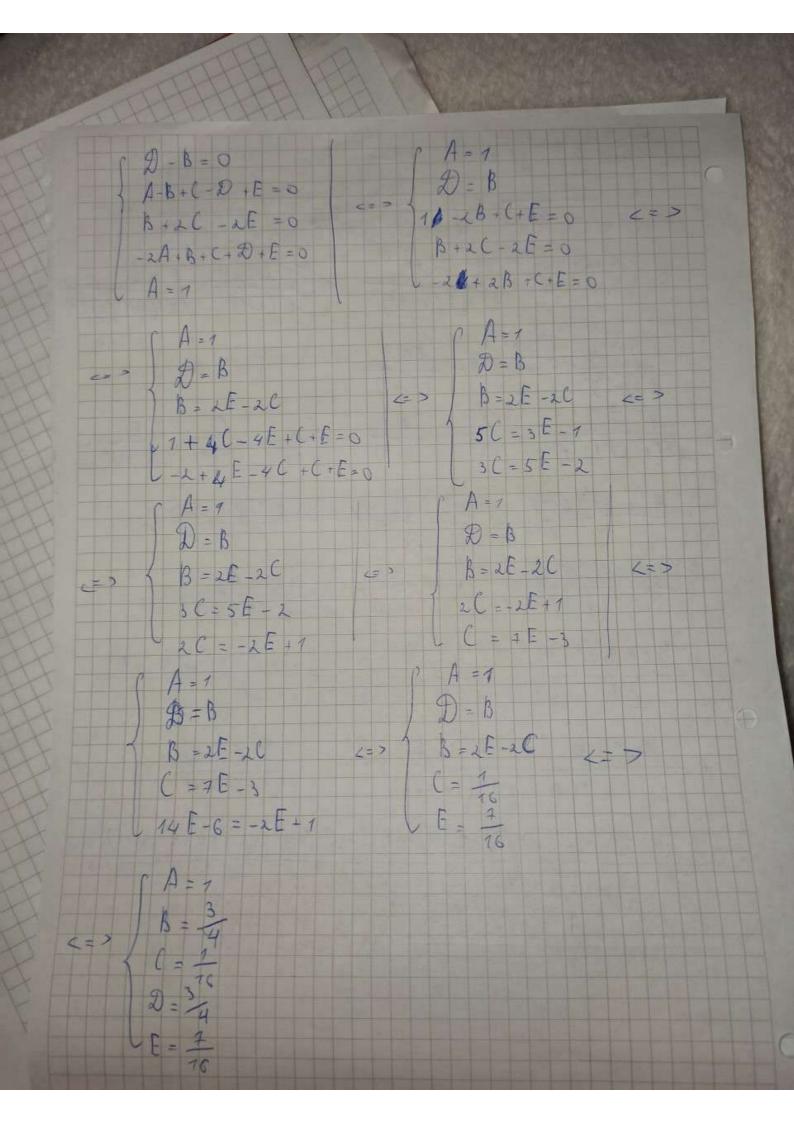


3) (c. 31 M3(3)) x 3 -x - x+1 = (x -1) (x-1) = = (21-1) = (21+1) $\frac{1}{x^3 - x^2 - x + 1} = \frac{A}{(x - 1)} + \frac{1}{(x - 1)}$ + B(x+1)+ C(x-1)+ (A+C)x2+(B-2C)x+(-A+B+C)
(x-1)+(x+1) = (A+C)x2+(B-2C)x+(-A+B+C) U-A+B+C=#1 = - 1 dn + 1 dx + 1 fdx = - 1. en/x-1/+ 2 (x-1-1. (-1) + 2 en/x+1/+C = $\left\{-\frac{1}{2}\left(x-1\right)^{-1} + \frac{1}{4}\left(n\left(\frac{x+1}{x-1}\right) + C\right)\right\}$

+ 2 / dx Joe 4 da = (Ax3+8x2+Cx+D) [x2+4x+5] (Ax3+Bx2+(x+B)(ex+4)+2 X = (3 Ax + 2 Bx + C) 5x +41C+5 Jx 2+4x+5 2 = (3 Ax +2 Bx+c)(x +4x+5) + (Ax 3+ Bx + Cx+2)(2x+4) + 2= = 3 Ax 9 + 12 Ax 3 + 15 Ax + 2 Bx 3 + 8 Bx 4 + 10 Bx + Cx 4 + 4 Cx + 5 C + - 2Ax4+2Bx3+2Cx+2Dx+4Ax3+4Bx+4Cx+4D+2= = 5Ax4+ (16A+4B)xB+ (15A+12B+3C)x2+ (10B+8C+ +22) + (5(+49+2) (A= } 1 5 A = 1 16A+4B=0 \$ 15 A + 12 B + 3 C = 0 4=7 / C= 11 初二、华 1013+8(+20=0 U a = 41 1 5c + 4D + l = 0 \[\frac{\chi^4 dx}{\sqrt{\chi^2 + 4x + 5}} = \left(\frac{1}{5} \chi^3 \alpha - \frac{4}{5} \alpha^2 + \frac{11}{5} \chi^4 - \frac{14}{5} \chi^3 \frac{11}{5} \chi^3 + 4x + 5 + \frac{11}{5} \chi^4 \chi^4 \chi^4 \chi^5 + \frac{11}{5} \chi^5 \chi^5 + \frac{11}{5} \chi^5 \chi = (2 x3 - 4 x2 + 11 x - 24) Jx2 +4x +5 + 41 ln x+2 + Jx2+4x+5 +

N5) (c.57 N9(3)) Jan 2003 x = Jan 2003 x Jan 300 COSX (t-mx) = State felt = State = State (1-6) (1+6)2 1 A Bu+C $\frac{1}{\xi^{2}(1-\xi)^{4}(1+\xi)^{2}} = \frac{A}{\xi^{2}} + \frac{B}{(1-\xi)^{4}} + \frac{C}{(1+\xi)^{4}} + \frac{E}{(1+\xi)^{4}}$ $= A(1-\epsilon)^{2}(1+\epsilon)^{2} + B\epsilon^{2}(1-\epsilon)(1+\epsilon)^{2} + C\epsilon^{2}(1+\epsilon)^{2}$ 262(1+E)(1-E) + E E & (7-E) = A - 2A E + A E 9

E * (1-E) * (7+E) * E * (7-E) * 13 t 2 1 B t 3 - B t 9 - B t 5 + C C 2 + 2 C C 3 + C C 9 + D E 2 + D C 5 2 E2(1-t)2(1+t)2 +4(A-B+C-D+E)++3(B+2C-2E)++1(-2A+B+C+D+E) t*(1-t)*(1+t)* Et t.0 + A t.(n-t).(1+t).



Jet 1-1) (1+1)2 = Jet + 3 Jet + 1 Jet + 16 Jet + + 3 dt + 7 dt = - t -7 + 3 - 3 ln/1-4+ + 1 (1-t) + 3 en/1+t/ 1 - 16 (1+t) ic= $= \frac{3}{4} \ln \left| \frac{1+\xi}{7-\xi} \right| + \frac{\xi(1+\xi) - \frac{1}{2} \xi(1-\xi) - \frac{1}{6} (1-\xi)(1+\xi)}{\xi(1-\xi')} + \frac{1}{6} \left(\frac{1}{2} - \frac{1}{6} \right) + \frac{1}{6} \left(\frac{1}{2} - \frac{1}{6} - \frac{1}{6} \right) + \frac{1}{6} \left(\frac{1}{2} - \frac{1}{6} - \frac{1}{6} \right) + \frac{1}{6} \left(\frac{1}{2} - \frac{1}{6} - \frac{1}{6} \right) + \frac{1}{6} \left(\frac{1}{2}$ = 3 ln/nn 1 + nn 2 | + 2 + 2 - 6 t - 16 + C= = 3 En /x nin(x + 4) · cos(x - 4) | + 24 an x - 6 nin - 7 6 = 4 | min cos x = (3 en / ty (x + 4), cty (x - 17) 4 - 6 - 24 - 8 to