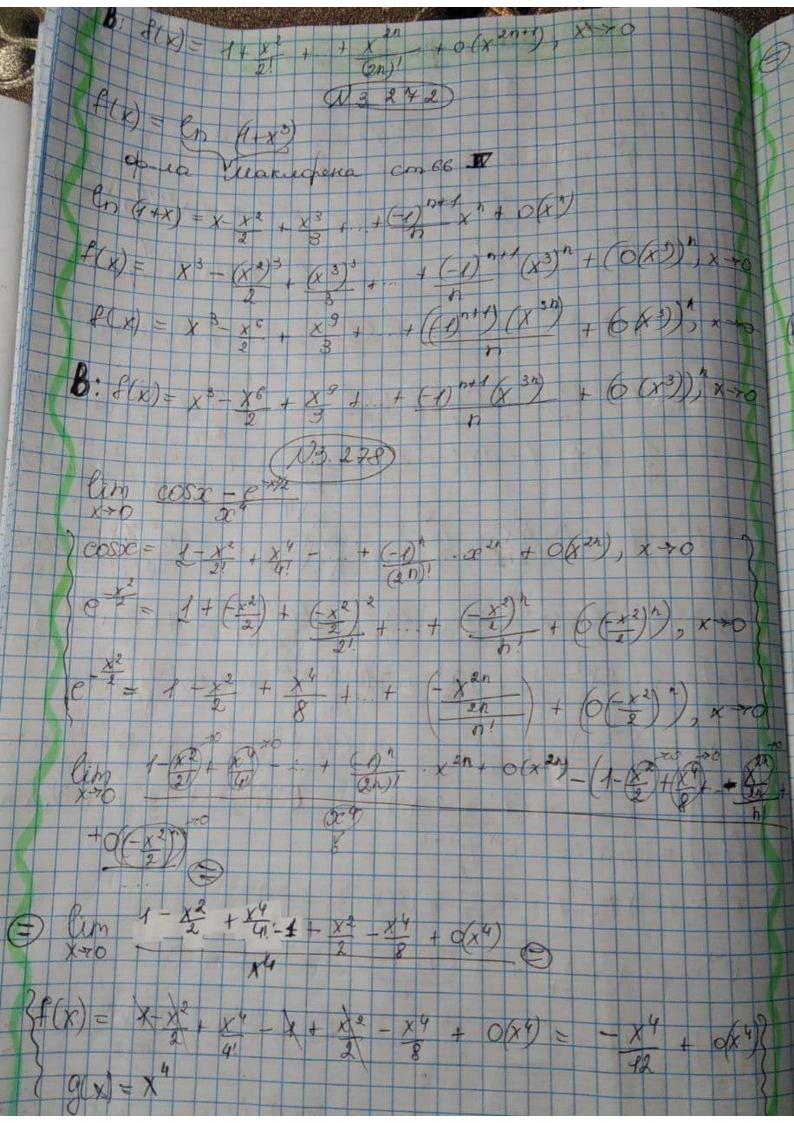
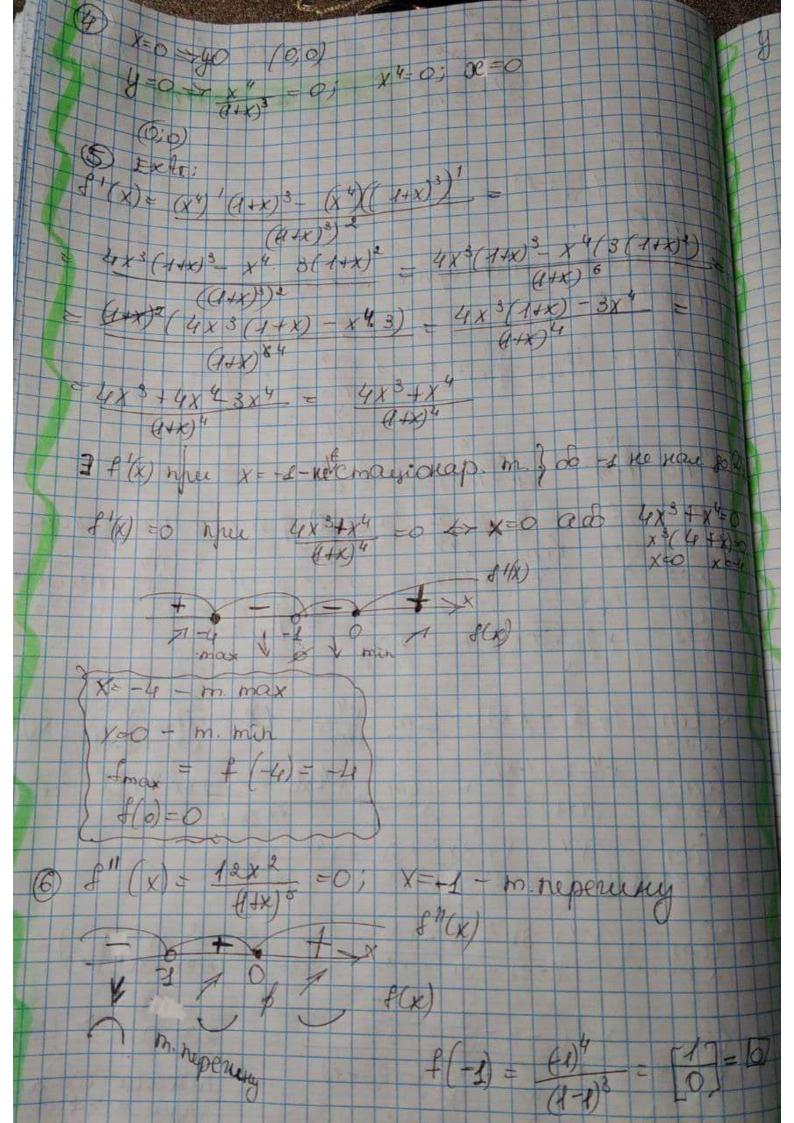
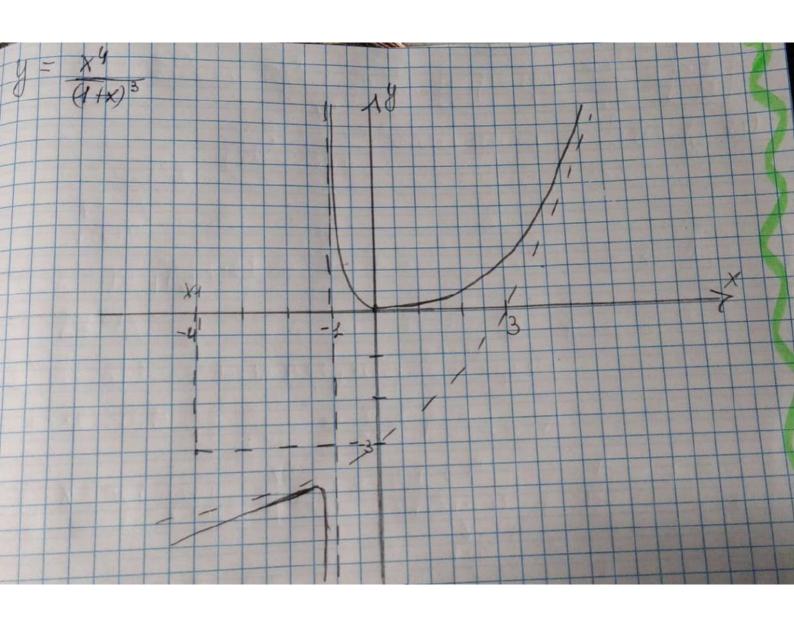
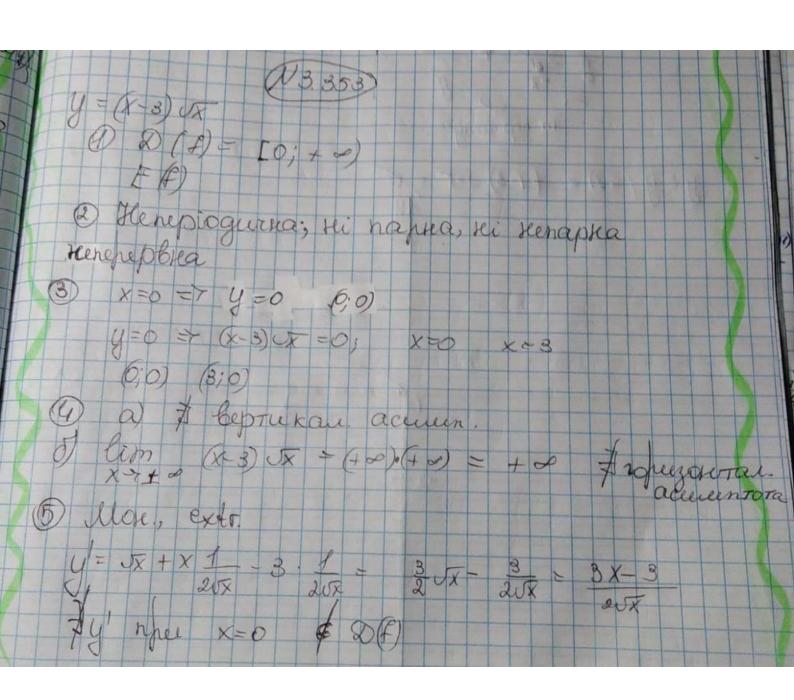
f(x)= sin²x (13.268) p ia mariopera e. 66 II (1-cos2x) (m) +(0 (x 2) 2 n+1 pre COSX = 1- x2 + x4 - + (1) 1 + (x4), x + 0(x4), x + 0 f(x)=1-2x)2+2x)4-2x06+4(4)12x)2n+(4) (1-(1-ax) + ex) - (2x) + + (0) ex) 2m (0) f(x)= 1(1-1/2+ 1/6x4 - 2/x6 + (1) 4".2" 1(1/x) 1-(1-1x2+2x4 + 4x6 + +(1)24n, 002n + ((2x)2n)) $(x) = \frac{1}{2} \left(2x^{2} - 2x^{4} + 46x^{6} - ...(4^{n}x^{n} - (4^{2}x)^{n}) \right), x \neq 0$ $(x) = x^{2} - x^{4} + 2x^{6} - (-1) 2^{n} x^{n} - (6(2x)^{n})), x \neq 0$ $(x) = x^{2} - x^{4} + 2x^{6} - (-1) 2^{n} x^{n} - (6(2x)^{n})), x \neq 0$ (1)3.266) B: f(x) = x = x + 0(x5), x >0 f(x) = chx = ex +ex 1+ x+ x + -+ x1 + 0(x2), x -0 e= 1-x+x2+++(1)x"+o(x")x+0 f(x) = 1+x+ 2 + 1. + x + 0(x) + (1+x+x + ... + (0) x + 0(x)) x-x = 2+2x2+...+ x"+(-1)x"+ (00))+(0) 1+x2+...+ x2n + (0x1)

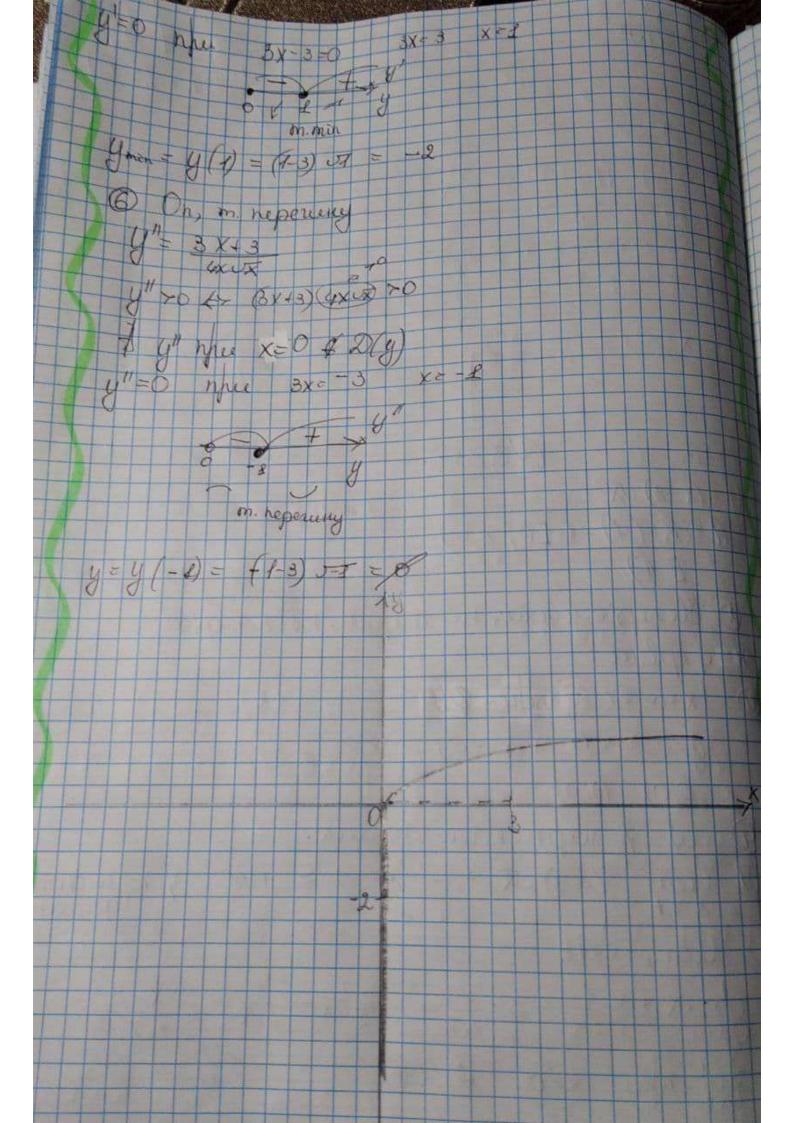


W3.346 (1+x)3 D D(y) = 1R 1-23 Д Неперединазна прис, ні непарна pap) H (x) H30 : 4 = (x) (im x4)3 = (-1-0)4 == (H(-1-0))3 -0 (K-1-0) = -0 (im X4 - (1+0)4) 8 0 (f(x) - kx) = lom (x4 - 1)x = lom (+x)3 - 1)x = lom (im (x4x(1+3x+3x2xx3)) x4 x (1+x)3 1+ 3x + 8x 24 x 3 (X4- (X+3X2+3X3+X4) 1+3X+3X2+X3 (x -x-3x 2-3x 3-x 4) = lino F3 x 3-3x 2-x X-4+4 1+ 8x + 3x2+x3 1+3x+3x2+x3/ = lim x X + TCX hormea acumentora Now X+++









(13. 362) 9 = ex @ Q(F) = PK-13 JE (4) 2 Herepiogeorna, ni napra, ni renapra Conar muny ex = ex Re rapico X+P = Y He Herrapha X=-1: lim ex e-1-0 x+-1-0 1+x 1+(-1-0) 3 m. x = - 2 - on pospuly I jugger а) вертиканна асинтота Flim flx = ex = et = o noxum acum. @ x=0=> f(x) = e0 = g y=0=7 ex =0 ex=0 0 $f'(x) = \frac{xe^{x}}{4x} = 0;$ xex=0 xy-1 X=0 e =0 TO F m. 0 - m. min

