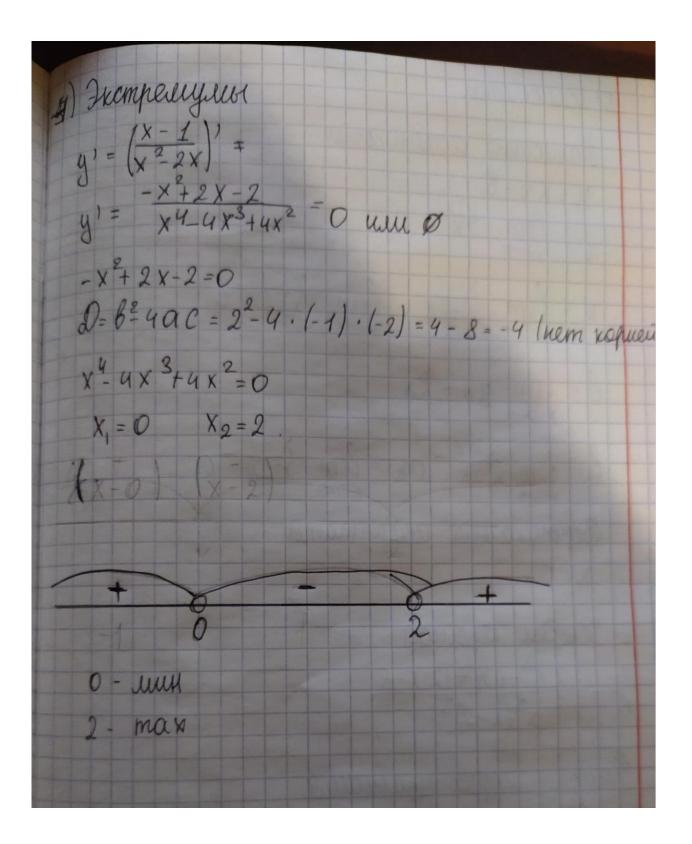
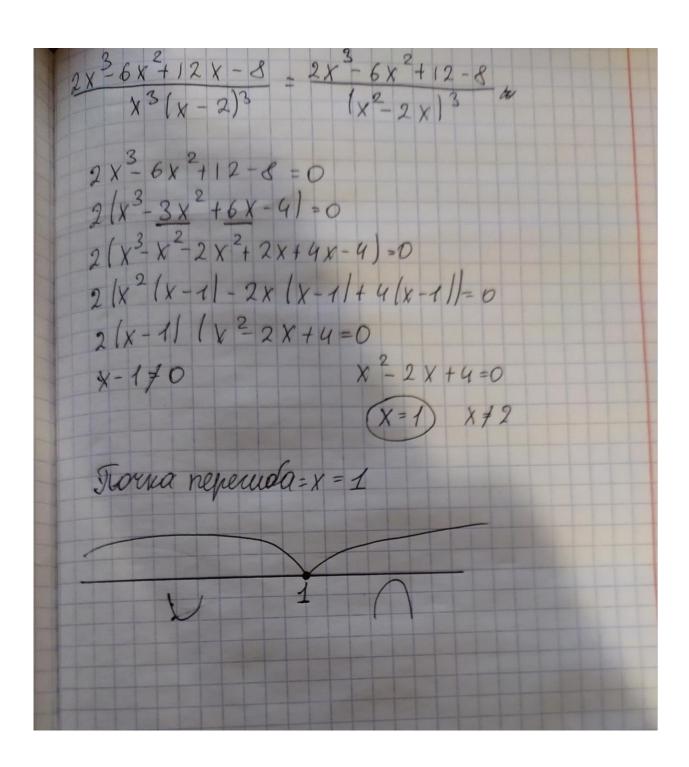
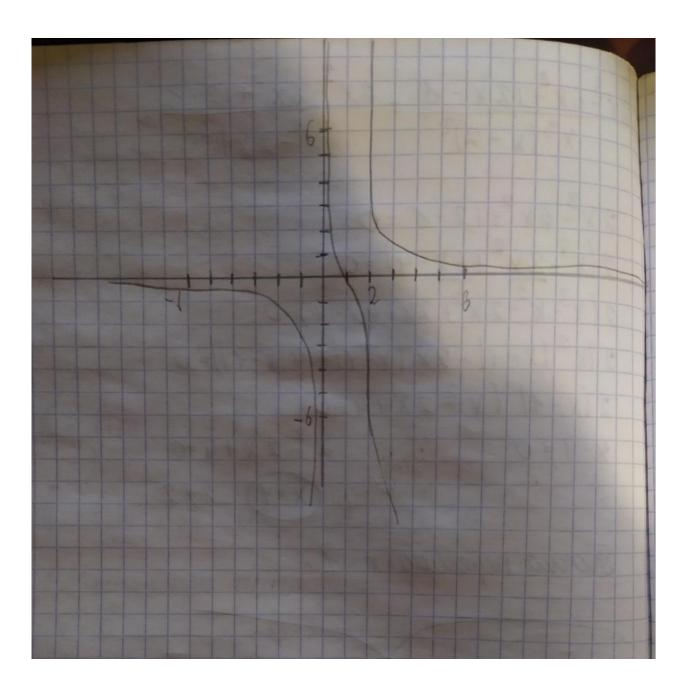
Bapaaum N12 1)y= x-1 1023 $x^2-2x\neq0$ $x(x-2)\neq0$ 2) Temuas un verennuas $y(x) = \varphi - yus ne sal.$ $y(-x) = -x^2 + 2x - x^2 + 2 \neq y(-x) = \varphi - yus ne sal.$ $y(-x) = -x^2 + 2x - x^2 + 2 \neq y(-x) = \varphi - yus ne sal.$ muci 3) Repeareure cocareu roopgunain Oxly=0) (Og (x=0) $0 = \frac{x - 1}{x^2 - 2x}$ 4 = 0-1 4= -6=0 X = 0(0;0) (0,0)



5) tamenmomer Harrowse acutermonis y = Kx + b $\lim_{K = x \to \infty} y(x)$ $x = \lim_{x \to \infty} \frac{x-1}{x^2-2x} = \lim_{x \to \infty} \frac{x-1}{x^3-2x} = 0$ B= lim yx - Kx $b = \lim_{x \to 2x} \frac{x-1}{-0x} = \lim_{x \to \infty} \frac{x-1}{x^2-2x} = 0$ Beportuaisuse aculermoms $X_1 = 0$ $X_2 = 2$ 6) Thorem neperusa $8'' = \frac{2x^3 - 6x^2 + 12x - 8}{x^3 + x - 913}$ Haugen Repun ypabnemes 2x 2x3-6x2+12x-8 x 3/x-2/3 0





x2 +0 $|x \neq 0|$ 2) remnocms le neremnocms $|x \neq 0|$ 2) remnocms le neremnocms $|x \neq 0|$ 2) remnocms le neremnocms $|x \neq 0|$ 2) remnocms le neremnocms 3) Laurenmonier Beprissianouse Im e x2 Burucuu npegeus no omgensuocomu lim == - lim == - (+ 00) = -00

Tochousky bupamenne à, a > 1 onpegerelle var o, · l'im e x = 0 (nem bepninnaments accomments) Harronnas acummomo y= Kx+6 lim Kx+b-lyx18 $K = \lim_{x \to \infty} \frac{y}{x}$ $K = \lim_{x \to \infty} \frac{y}{x}$ $K = \lim_{x \to \infty} \frac{y}{x}$ $K = \lim_{x \to \infty} \frac{y}{x}$ 4) Tiepecerenne c ocanul noopgunam Repecereure COX; y=0

ix=0 (0,0) nocuousky apyringun Beerga nenoumnentist zwarenna nonozamentioni Repeceule e Oy; X=0
y=e
0
y=e
1
10;1 5 la Frempellyller

y' = 2e x2

x3 XEØ

