Def 13 1: X-> J X, L X2 u f(x) L f(x)->nok, pag $X_1 \angle X_2$ u $f(x_1) \ge f(x_2) = por \cdot pa c$ $X_1 \angle X_2$ u $f(x_1) \ge f(x_2) = cgor \cdot pa c$ $X_1 \angle X_2$ u $f(x_1) \ge f(x_2) = cgor \cdot pa c$ $X_1 \angle X_2$ u $f(x_1) \ge f(x_2) = cgor \cdot pa c$ Det 19 Hera fra f! X -> I ygobres-Cops ba yenobneso; za k go E J

J eguncobern xo E X, raica re f(xo)= yo.
Uzas paraenne ro g: J -> X, gef. no rozu karun, kapurane ospaïne fynkryng nu f u oznarabane c f-1 Orebugno f[f-1(y)] = y, y c J u f2f-1(x)]-x, xeX Lynninge ju j-1 ce kapura T branning opportun fynkrynn

$$y = \sin x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aicsm} x \quad x \in \left[-1, 1 \right]$$

$$= \sin x = \operatorname{aicso}$$

$$\operatorname{aicsin} x = \operatorname{totan}$$

$$\operatorname{aicsin} x = \operatorname{totan}$$

$$y = \cos x, x \in \left[0, \frac{\pi}{2} \right]$$

$$y = \operatorname{aiccos} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

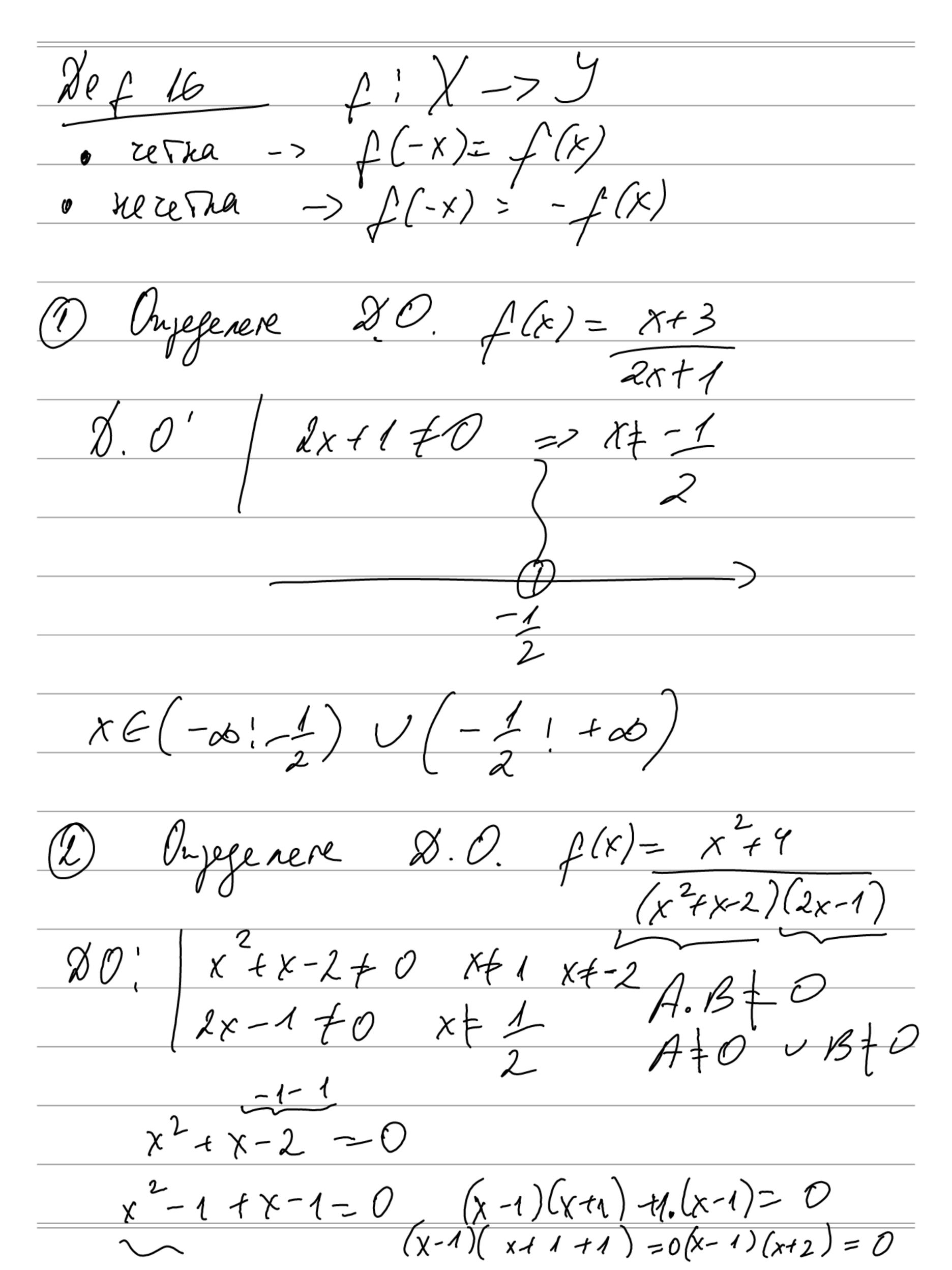
$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

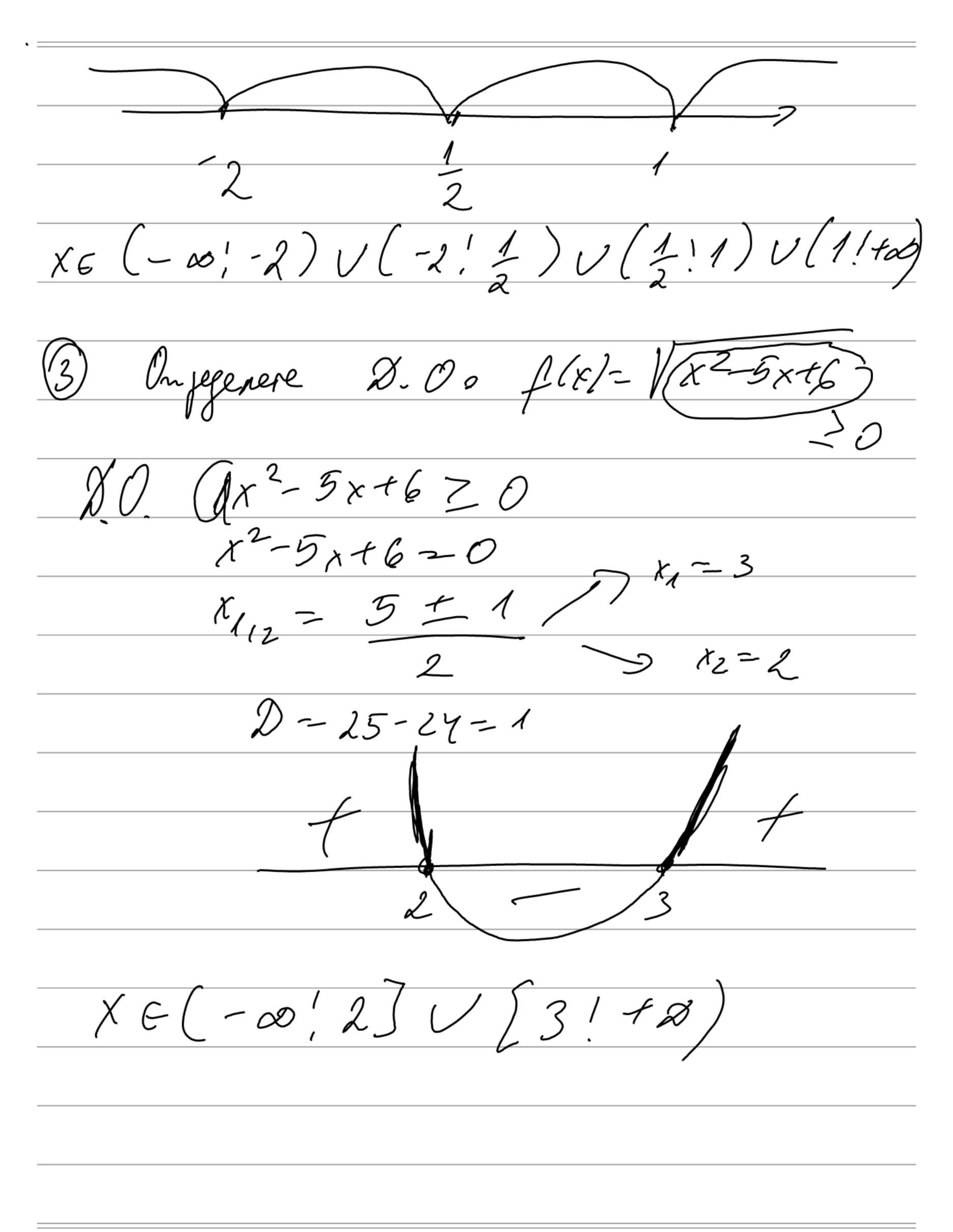
$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

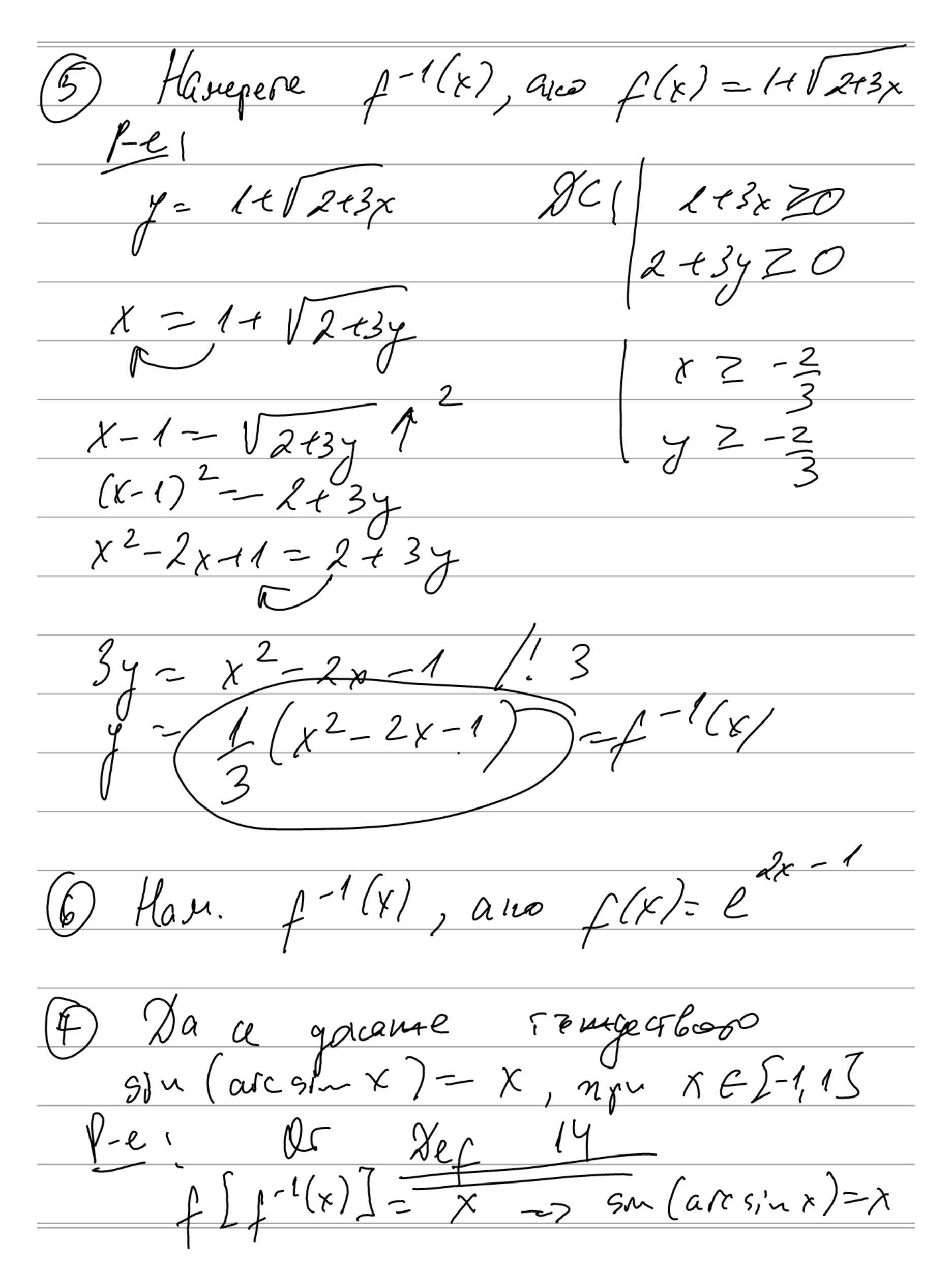
$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$y = \operatorname{aic} + \frac{\pi}{2} x, x \in \left[-\frac{\pi}{2}, \frac{\pi}{2} \right]$$

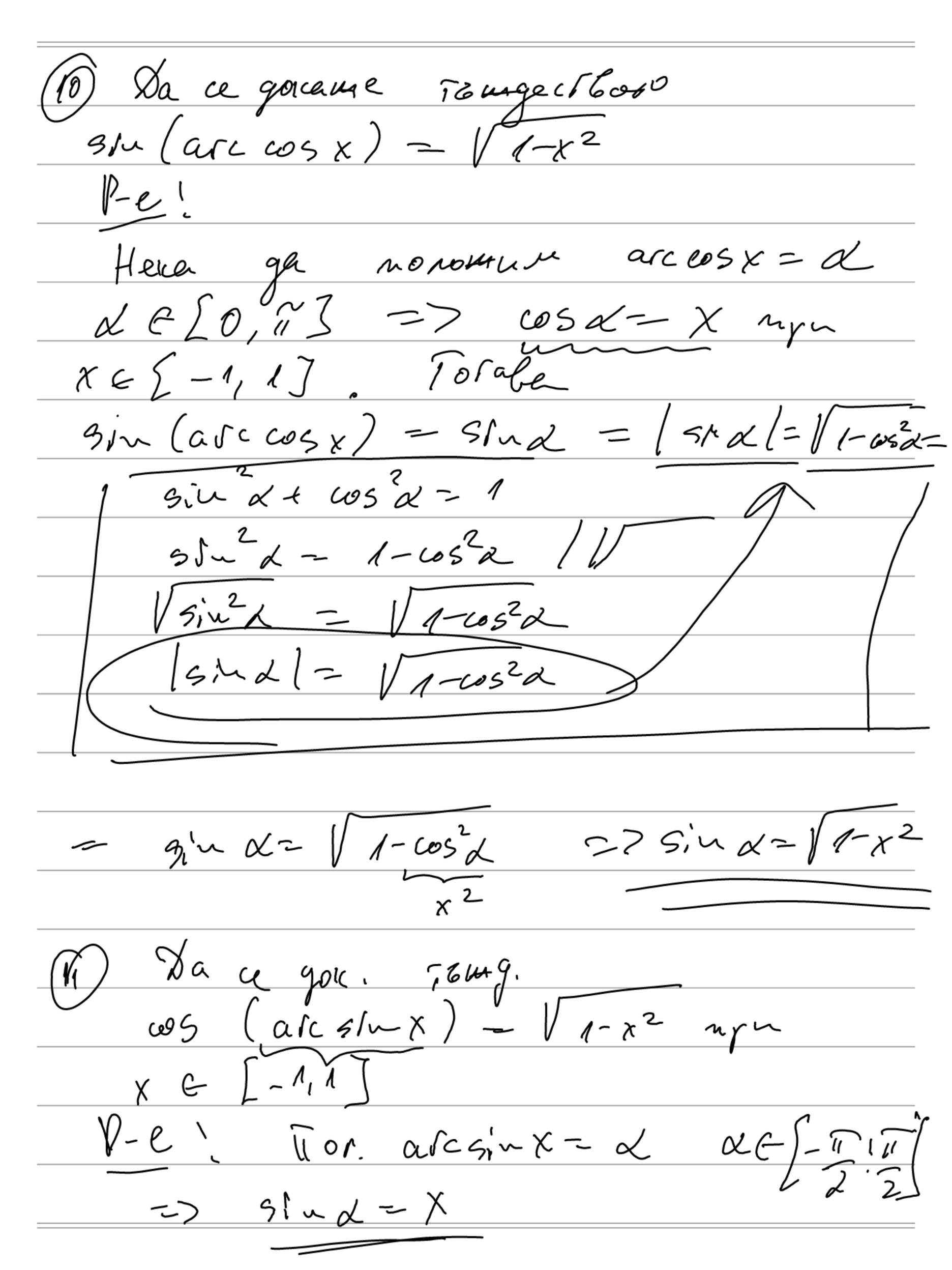


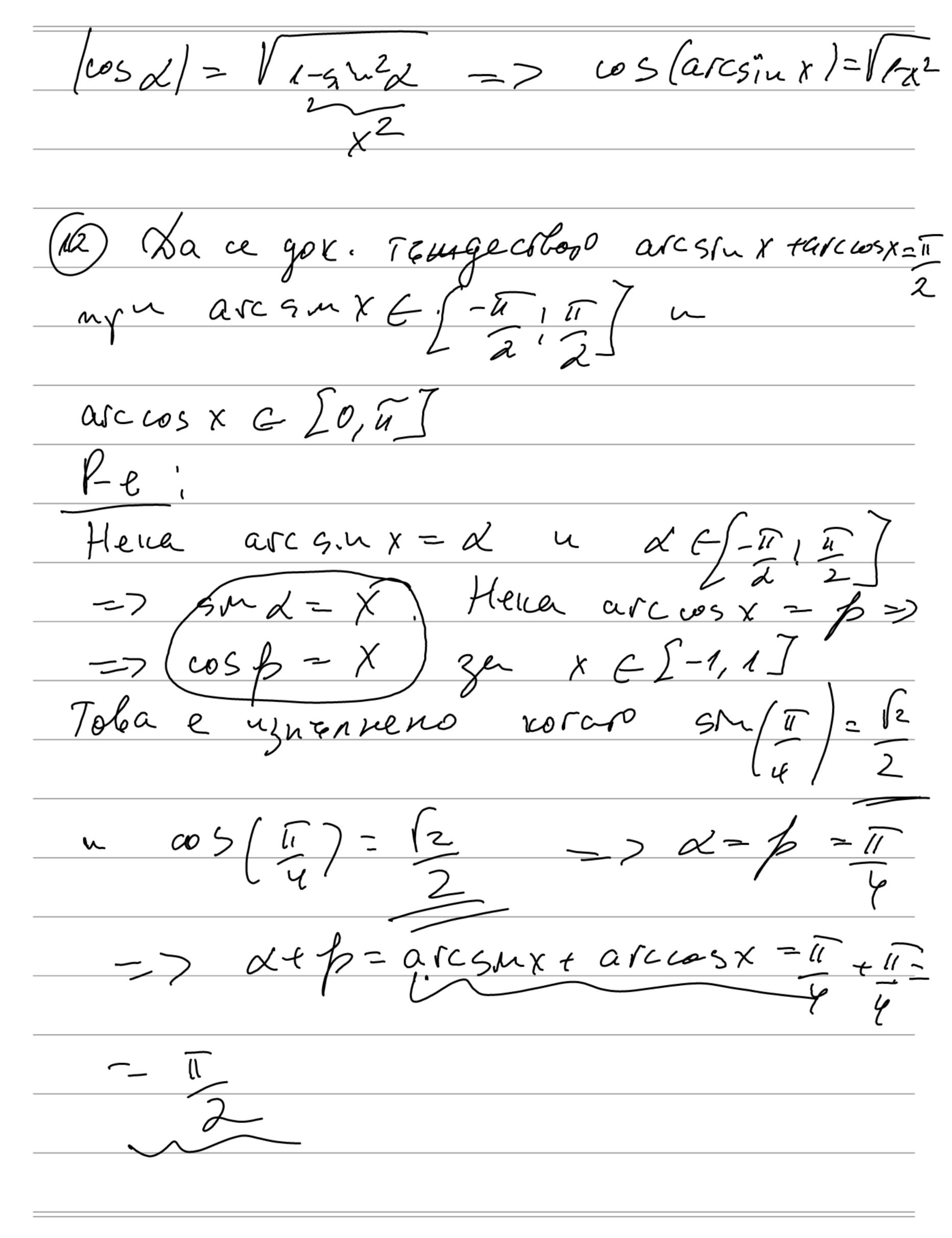


(2) Harepere f'(x), and f(x) = 1x-1 P-e', da ga kavegner f-(K) Tpsolon ga penner y-ro f(y) = X orkocko y 201 x+-3 x+2 y - 4x - 1 2x+3 X - Yy-1 9 - S => ad=6C



(8) La ce njecu. arcsmx ngn x = 0
$x=1$ $\sqrt{x}=-\sqrt{3}$
8) Da ce njecu. arcsmx ngn $x = 0$ $x = \frac{1}{2} \text{in} x = -\sqrt{3}$
ascsin 1 = d = 2 2
2
$\mathcal{L} = 30^{\circ} = 11$
6
ascrin 0-d smd-0
2-0
Da a njewerke archyx njen
DDace njewerke archyx njen x-0, 1 u -13
arcty 1 - X
$actg 1 = \alpha - 1 = 2 = 11 5 = 0.$
Y
aschy 1 = I





 $\chi \in (-\infty, \pm \infty)$ $V = (-\infty, \pm \infty)$ V =Or roba, re archyx = 2 => tgd=x DCI 2x += tg2 2 tg x 1+x2 1+ 4g 2 - 2 sm 2 cos2 Uzhy: 1. (. = D.C. => pobencoloos e

(19) Da ce gov. $76\mu \text{ gecstoso}$: $\cos \left(2 \operatorname{arccolg} x \right) = x^2 - 1 \quad \text{npm}$ $1 + x^2$ $x \in (-\infty! + \infty)$ To r. arccofg $x = \lambda$ $\alpha \in (0, N)$ $A.C=052\lambda = \cos^2 \lambda - \sin^2 \lambda$ $T-\kappa$, arccofg $x = \lambda = 2$ $\cos^2 \lambda = X$ $2C! x^2 - 1 = x - colg d$ Co 19 2 - 1 1+cofg2 Sina -5/1. (- = X. C - cos x - sin L 76 mgecolo. pabe nathor

pannya ka fyrknyns. Hensercocraon fynkry n Ako paros aprisnemen gen es 6me rempegenenois. Ocholomise klonjegenexoern a SOJ u SOJ. Octava mure, mono ce chemque go rezu gle ocholonu reougge-unouver en [0.00], [0-0], [10] MXOCM Dace njew sjeminger lin (x³-2x-1)(x+1) = 07 x-7-1 x + 4x²-5 $\chi^{7} + \chi \chi^{2} - 5 = 0$ TO1 x2-- t D= 16+20-36

$$x^{4} + 4x^{2} - 5 - (x^{2} - 1)(x^{2} + 5) \leq 2$$

$$ax^{2} + 6x + C = a(x - x_{1})(x - x_{2})$$

$$t^{2} + 4t + 5 = (t - t_{1})(t - t_{2})$$

$$(t - 1)(t + 5)$$

$$x^{4} + 4x^{2} - 5 = (x - 1)(x + t_{1})(x^{2} + 5)$$

$$(1)^{3} - 2(x^{1}) - 1 = 0$$

$$(x^{3} - 2x - 1)(x + t_{1}) = 0 = 0$$

$$(x^{2} + 5)(x - 1)(x + t_{1}) = 0$$

$$(x^{2} + 5)(x - 1)(x + t_{1}) = 0$$

$$(x^{2} + 5)(x - 1)(x + t_{1}) = 0$$

$$(x^{2} + 5)(x - 1)(x + t_{1}) = 0$$

$$(x^{2} + 5)(x - 1)(x + t_{1}) = 0$$

$$(x^{2} + 5)(x - 1)(x + t_{1}) = 0$$

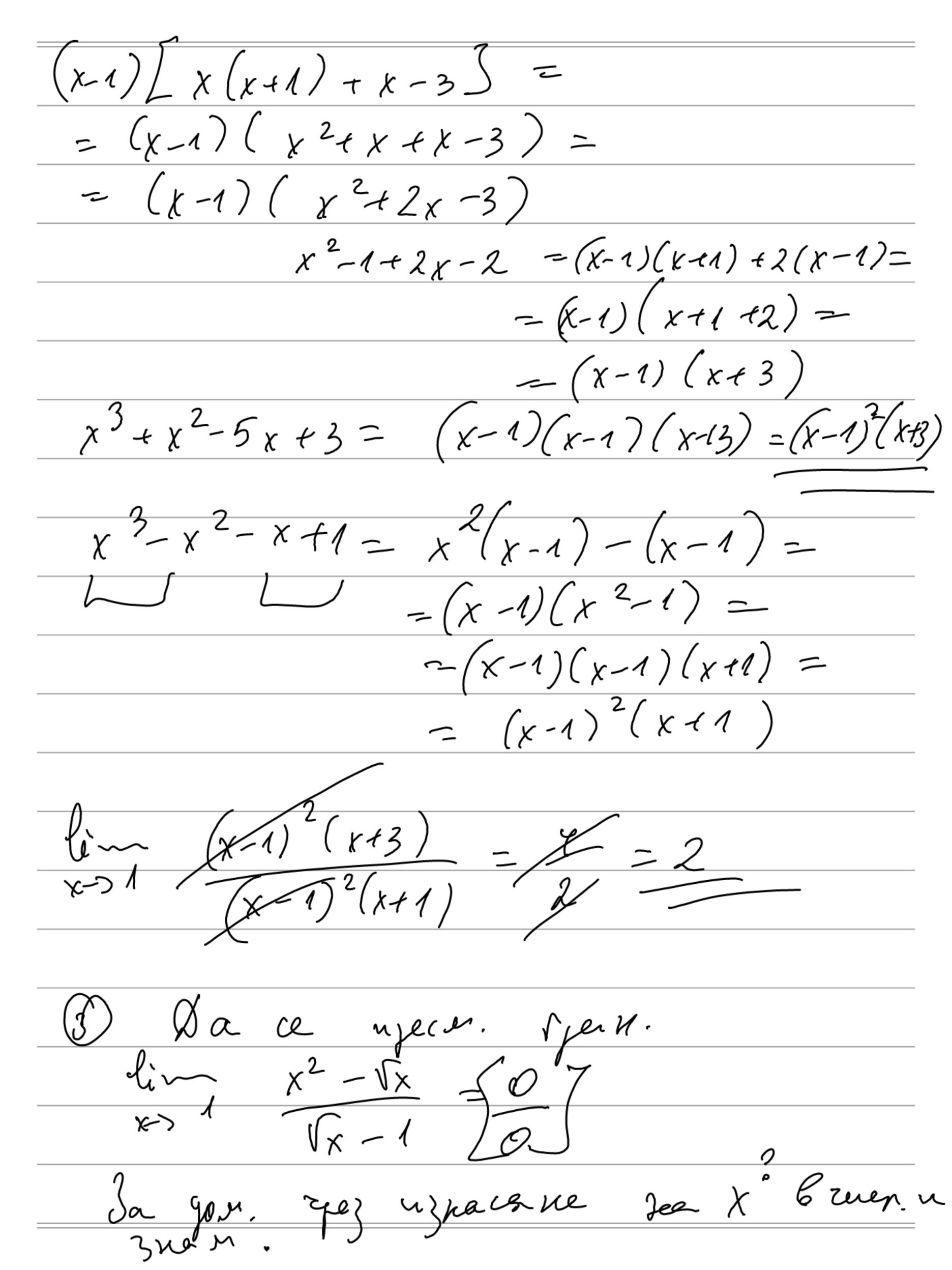
$$(x^{2} + 5)(x - 1)(x + t_{1}) = 0$$

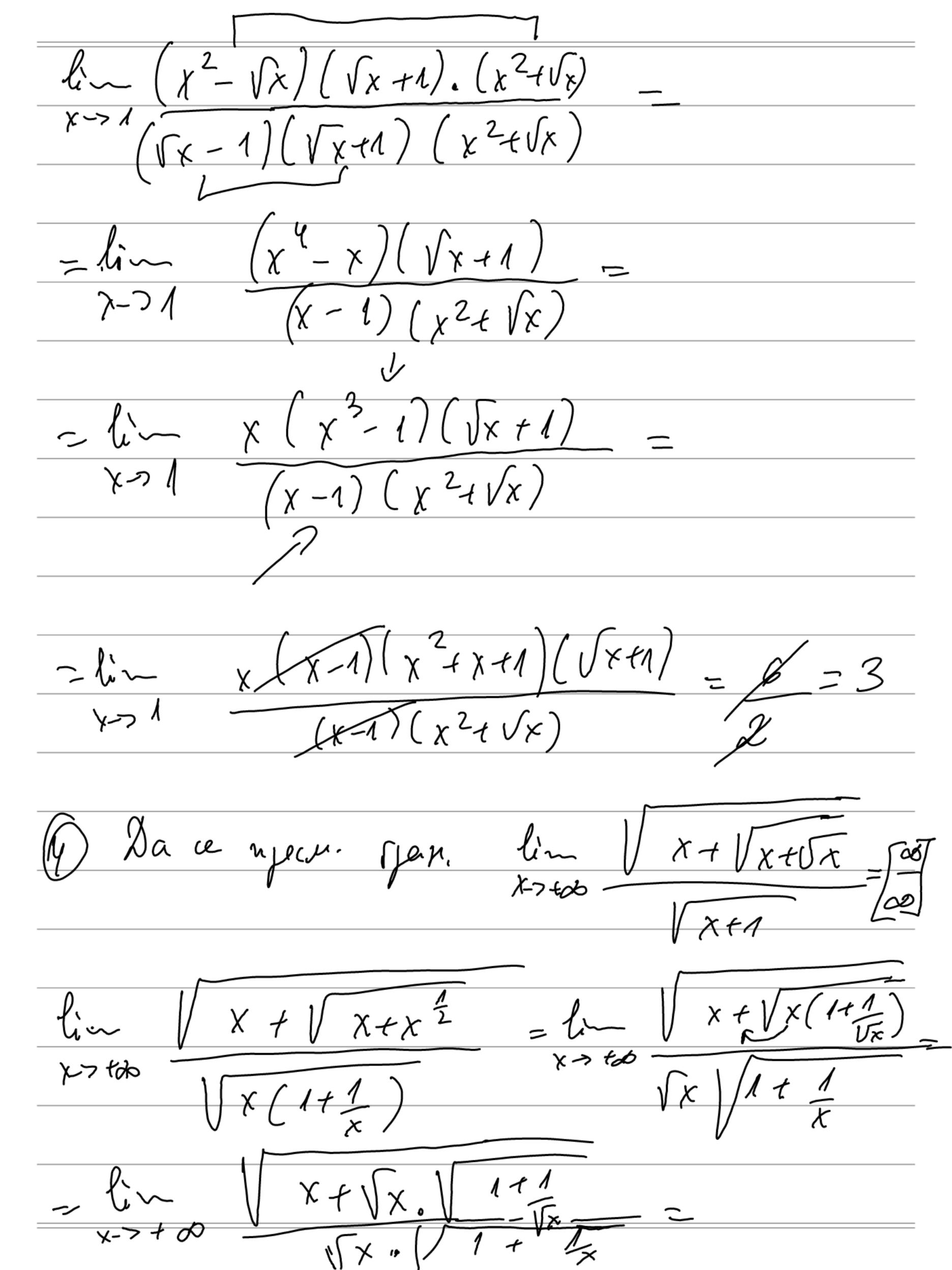
$$(x^{2} + 5)(x - 1)(x + t_{1}) = 0$$

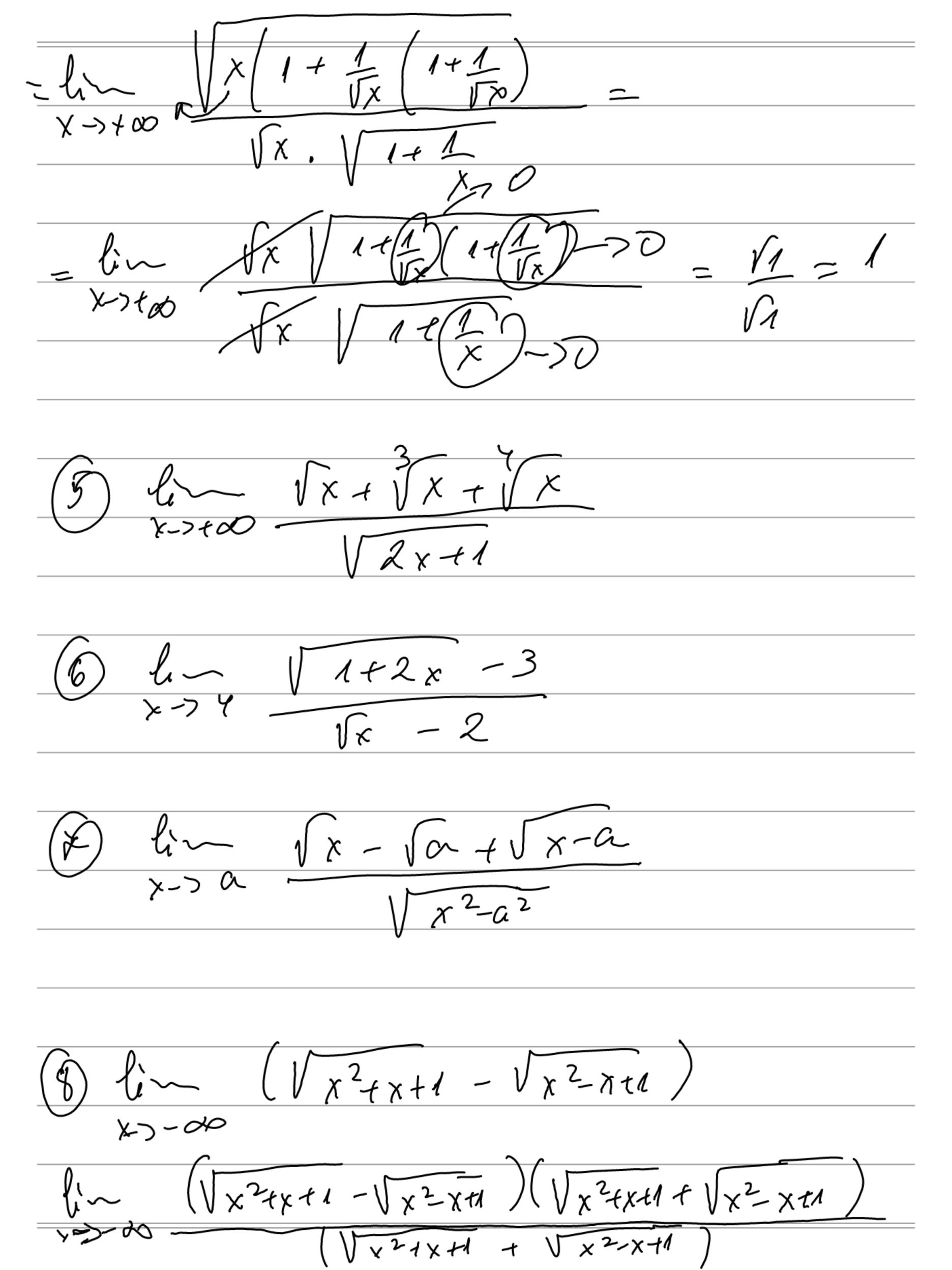
$$(x^{2} + 5)(x - 1)(x + t_{1}) = 0$$

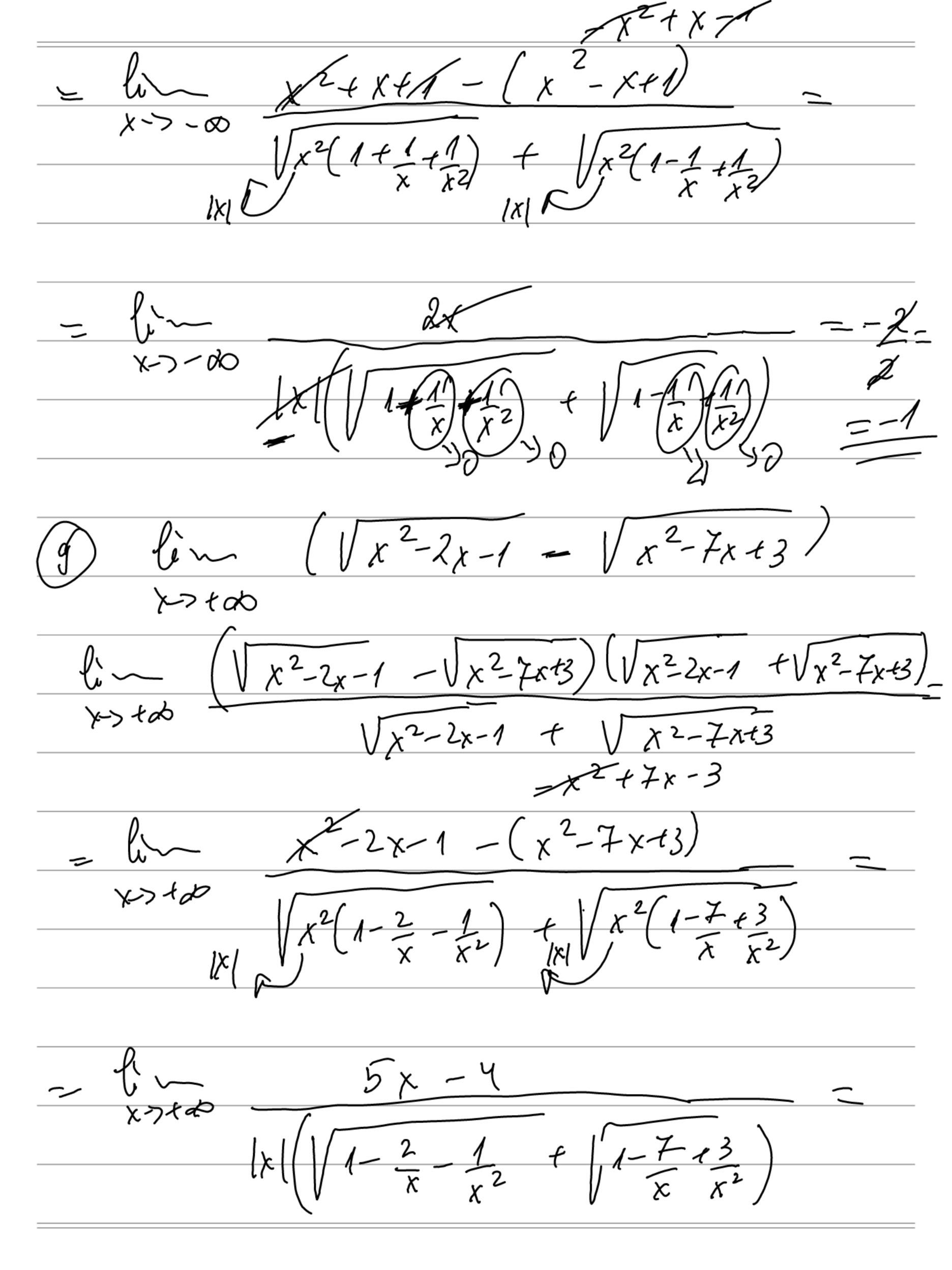
$$(x^{2} + 5)(x - 1)(x + t_{1}) = 0$$

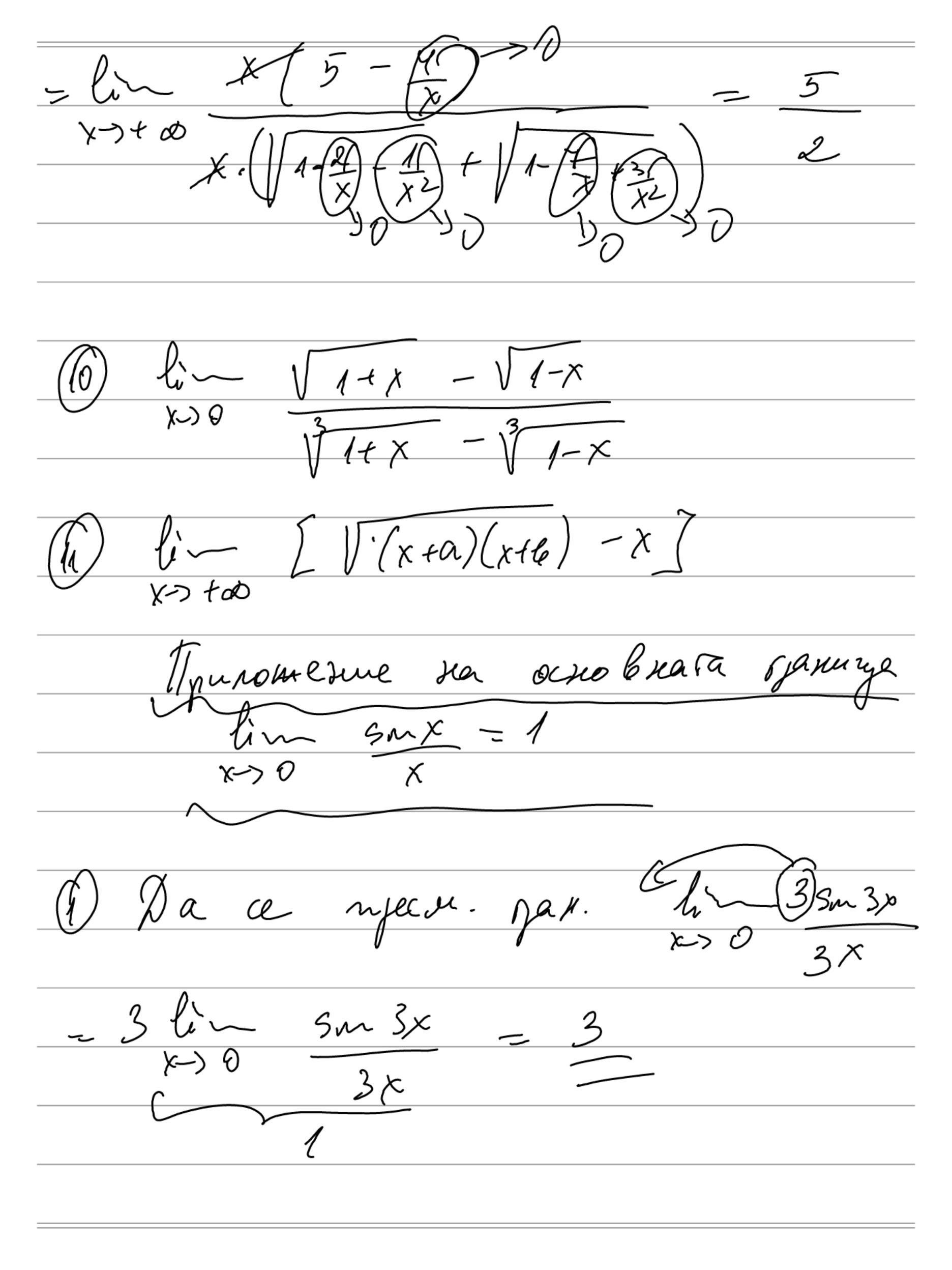
$$(x^{2} + 5)(x - 1)(x + t_{1}) = 0$$

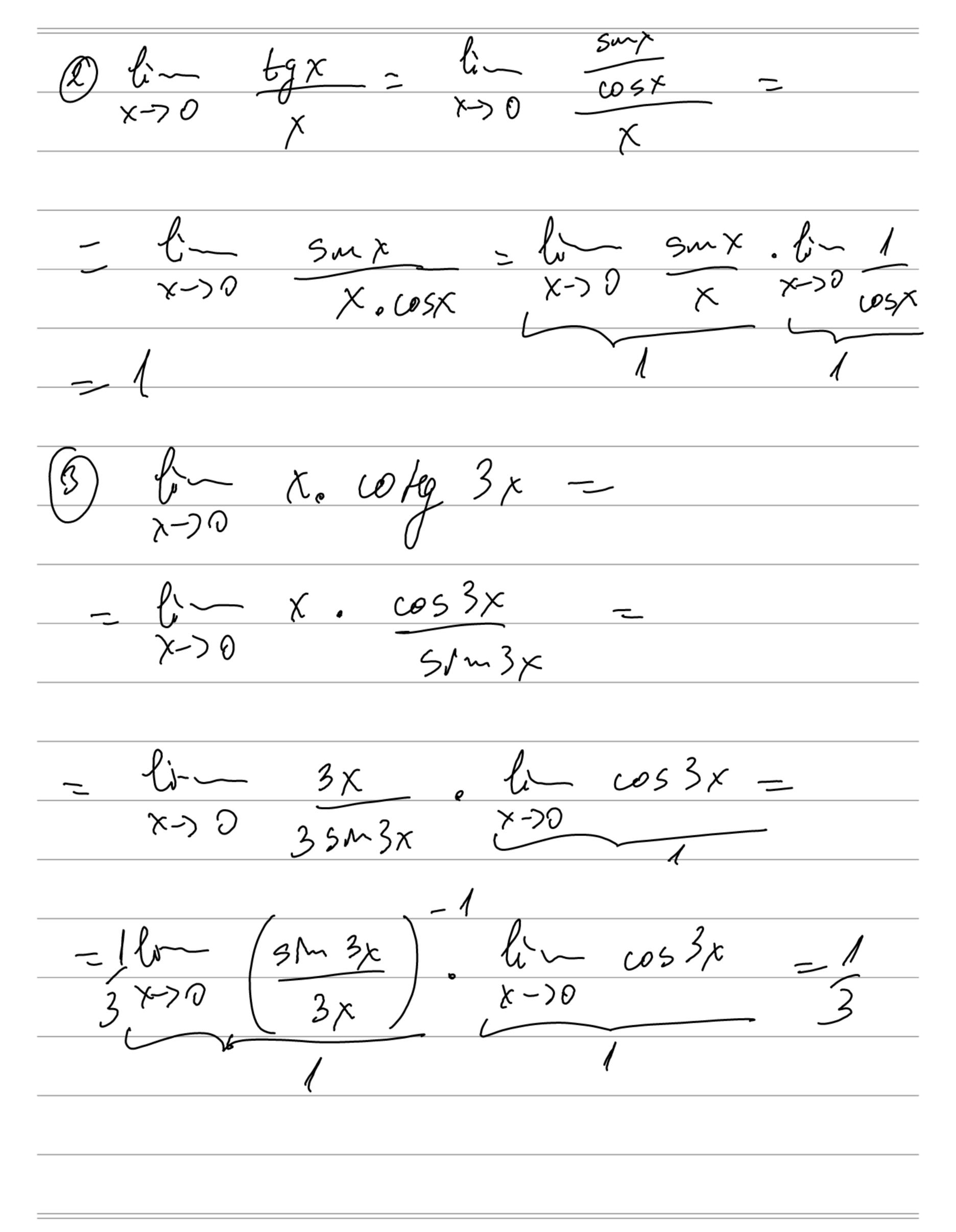


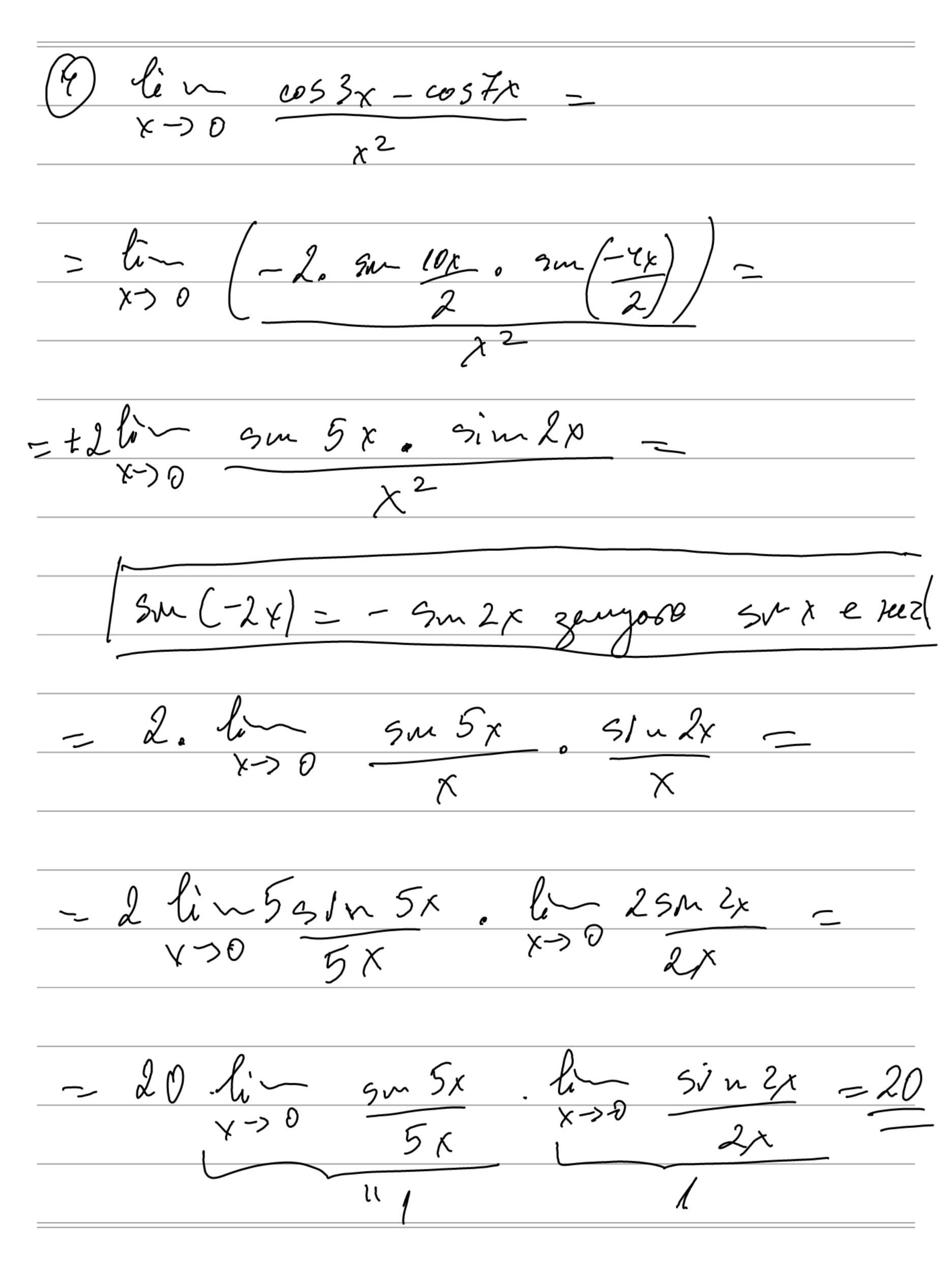


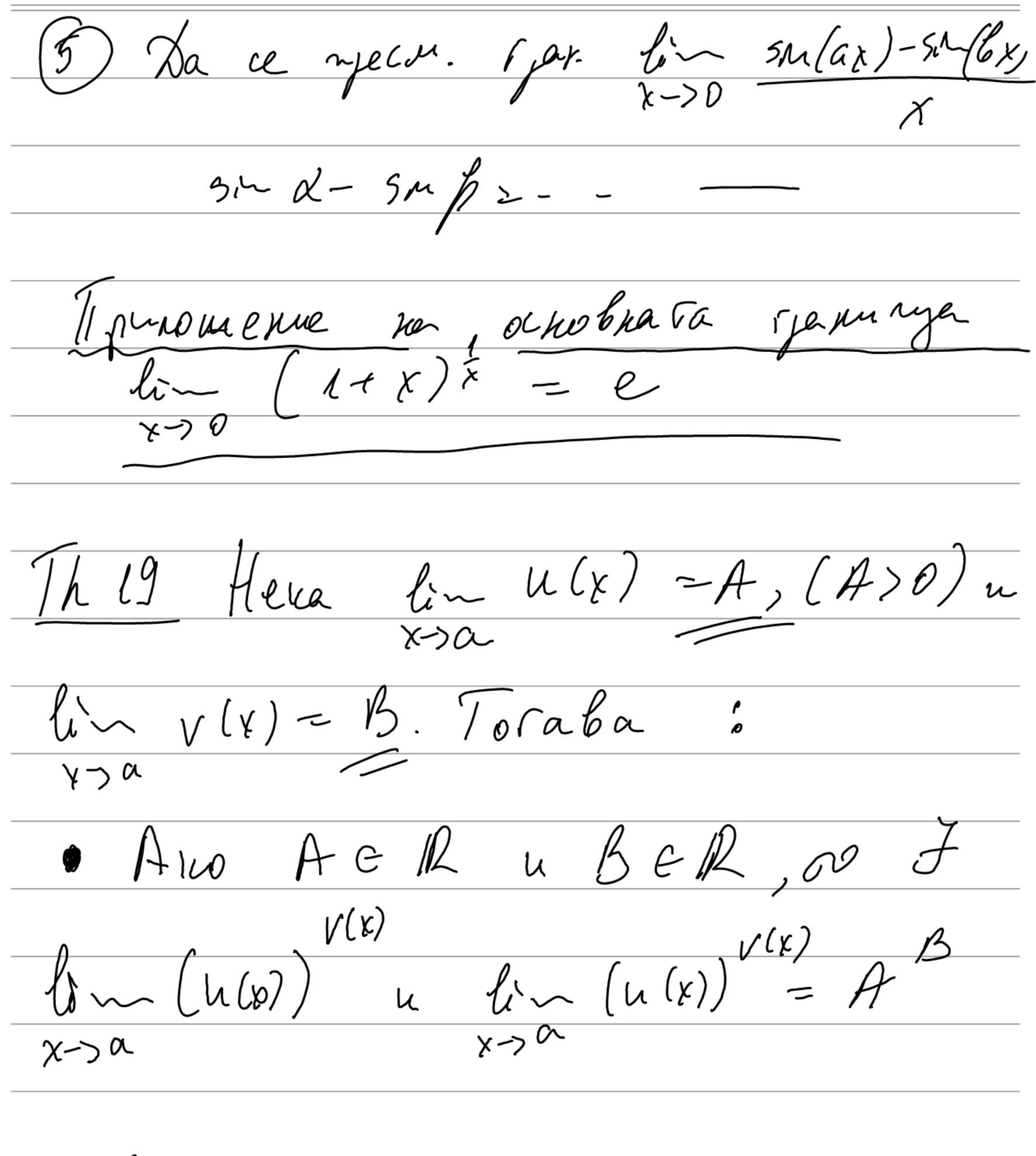












e Ano A=1 B=00,00 lin u = ex-sa (u-1). V x-> a

