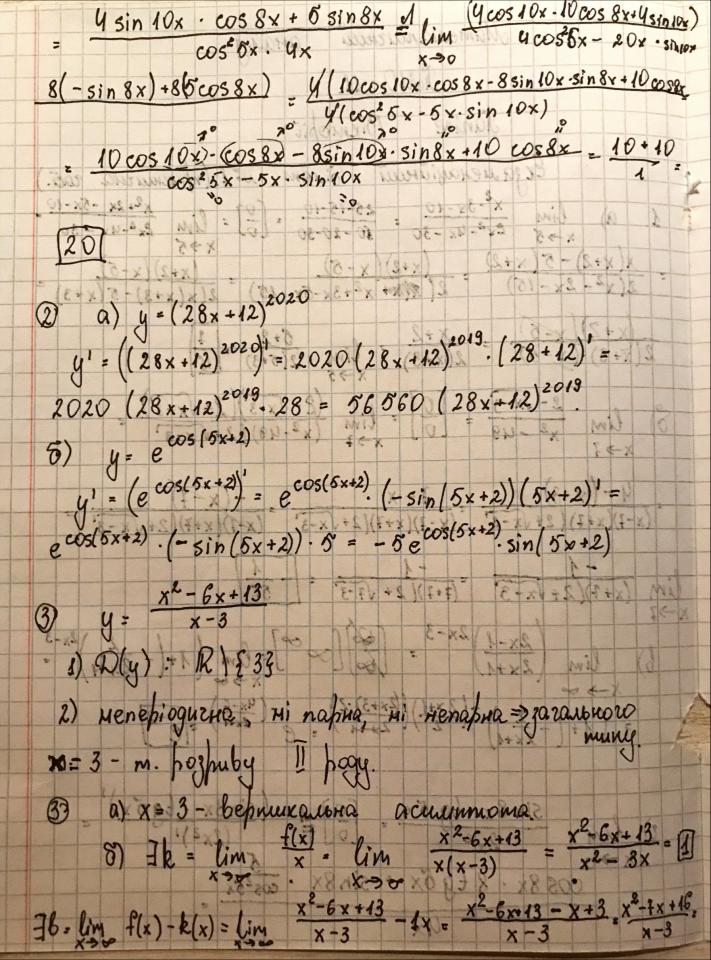
31455 h+XX 500 A1+ XA1 Mameria nourue anasiz-8 - 51 n 8x) +8 (10 - 50 Mol cos 8x - 8 sin (0x - 51 n 8x - 10 cos 8x Janiae Birmopii Ек за менаційний білем Г. в. (практична габ.) $\frac{(x+2)(x-5)}{2(x+3)\cdot(x-5)} = \frac{x+2}{2(x+3)} = \lim_{x\to 5} \frac{5+2}{2(5+3)} = \frac{1}{16}$ 8) $\lim_{x \to 3} \frac{2-\sqrt{x-3}\times8}{x^2-u9} = \frac{0}{0} = \lim_{x \to 2} \frac{(2-\sqrt{x-3})(2+\sqrt{x-3})}{(x^2-u9)(2+\sqrt{x-3})} = 0$ lim $(x+7)(2+\sqrt{x-3})$ = $(7+7)(2+\sqrt{7-3})$ = $(-1)(2+\sqrt{7-3})$ Xーシス 6) $\lim_{x \to \infty} \left(\frac{2x-1}{2x+1}\right)^{2x-3} = \left[\frac{2}{6}\right] \left[\infty\right]^{2} = \lim_{x \to \infty} \left(1+\left(-\frac{2}{2x+1}\right)^{2x-3}\right)^{2x-3}$ 3 (1+ (-2x+1) (2x+3).2) (2x+3).2) (4x-6) (4x-6) (5 Sin 8 x ... tq 5 x $\left(\frac{5 \ln 8 \times (5 \ln 8$ cos 8x . 8 & g 6x + sin 8x . cos 5x 36- ling f(x) - ling x - 3 - x = 1 - x - 3 - x



$$y - kx + b$$
 $y - x - 3 - noxuna$ acu immoma.

(a) $x = 0 = 3$ (o; $-\frac{13}{3}$)

 $y = 0 = 3$ $x \neq 1R$

(b) m. $(x^2 - 6x + 13)^1 (x - 3) - (x^2 - 6x + 18) (x - 3)^2$
 $(x^2 - 6x + 13)^1 (x - 3) - (x^2 - 6x + 18) (x - 3)^2$
 $(x - 3)^2 - (x - 3)^2 - (x^2 - 6x + 13) = 2x^2 - 6x - 18 - 6x - x^2 + 6x - 13 = (x - 3)^2$
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