

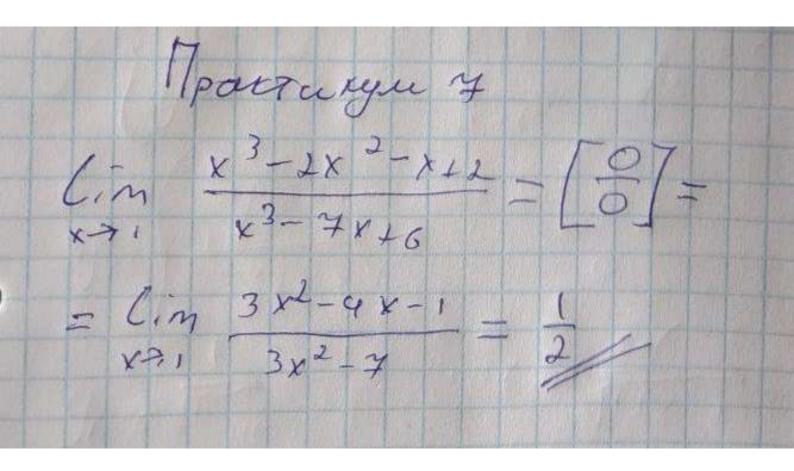
Mparturgu 3 $g = \frac{1+x^3}{1+x}$, 70 erg payposed $x_0 = -1$ $\lim_{x \to -1^+} \frac{x^3+1}{x+1} = \frac{10}{5} 7 \lim_{x \to -1^+} \frac{(x+1)(x^2-x+1)}{x+1} = \frac{10}{5} \frac{1}{5} \lim_{x \to -1^+} \frac{(x+1)(x^2-x+1)}{x+1} = \frac{10}{5} \lim_{x \to -1^+} \frac{(x+1)(x+1)(x+1)}{x+1} = \frac{10}{5} \lim_{x \to -1^+} \frac{(x+1)(x+1)(x+1)(x+1)}{x+1} = \frac{10}{5} \lim_{x \to -1^+} \frac{(x+1)(x+1)(x+1)(x+1)}{x+1} = \frac{10}$ = (in (x2 = x +1) = 3 => -1-7. P. I paga GCT panned

y $J(x) = \begin{cases} 3 & x = -1 \\ 1 + x^{3} \\ 1 + x \end{cases}$

12) (x=arccos JI+t2)

(y=arcsin JI+t4) 9 = JI-T 251+62, 26

Mortangu 6 $y = \frac{2}{\sqrt{x}}, x_0 = 9, \Delta x = -9,01, dy = ?$ dy= 9'(x0) . Ax 9'(x) = 2(x =)'=2.(-1) x == Jx3 - J243 · (-0,01)= 0,01 ~ 0,01 ~ 0,0006 5243 ~ 0,00



Tpartuyer 8 y'= 3x2 (x2+2x+3)-x3(2x+2)=0 3 x 4 + 6x3 + 9x2 - 2x4 - 2x3 = x2(x2, 4x2) = 0 x =0; x2+4x+9+0 y => x,=0-T04 ka y wurunga

y= 1/2 x 4 - 2/3 x 3 - 3/2 x 2 +2, x 6 [-2; 4] 1) $y(-1) = \frac{1}{4} \cdot 16 + \frac{2}{3} \cdot 8 - \frac{3}{2} \cdot 4 + 2 = \frac{16}{3}$ $y(4) = \frac{1}{4} \cdot 256 - \frac{2}{3} \cdot 64 - \frac{2}{2} \cdot 16 + 2 = -\frac{3}{3}$ $= x^3 - 2x^2 - 3x = x(x^2 - 2x - 3) = 0$ x, = 0 $x^2 - 2x - 3 = 0$ D = 4+12 = 16 $X_{1,3} = 2 = 4 + 12 = 16$ $X_{2,3} = 2 = 4 + 12 = 16$ $X_{3,3} = 2 = 4 + 12 = 16$ $X_{3,3} = 2 = 4 + 12 = 16$ $X_{3,3} = 2 = 4 + 12 = 16$ $X_{3,3} = 2 = 4 + 12 = 16$ $X_{3,3} = 2 = 4 + 12 = 16$ $X_{3,3} = 2 = 4 + 12 = 16$ Hausenbure 3 nov: $y = \frac{16}{3}$ Housome 3 nov: $y = -\frac{37}{4}$