$\sqrt{\chi} + \sqrt{g} = \sqrt{a}$ 2 Vx 2 vg 9x 0 9x - Vz. $1477 \quad y = \frac{\chi'}{(4\chi)^3} \qquad \chi \neq 1$ 9=0 => X=0 $\frac{\chi'}{(+\chi)^3} = +\infty, \quad \lim_{\lambda \to -0} \frac{\chi'}{(+\chi)^3} = -\infty,$ $\chi - 3 + \frac{6\chi^2 + 9\chi + 3}{3^2 + 3\chi^2 + 3\chi^2} = \chi - 3 + \frac{6 + \frac{4}{\chi} + \frac{3}{\chi^2}}{\chi + \frac{3}{\chi^2} + \frac{3}{\chi^2}}$ upun $\chi \rightarrow \epsilon$ (1+1)3 = 23+32+31+1 9= 20-3 $9 = \frac{4x^{3}(1+x)^{3} - 3(1+x)^{2}x^{2}}{(1+x)^{6}} = \frac{4x^{3}(x+1) - 3x^{2}}{(1-x)^{4}} = \frac{4x^{3}(x+1) - 3x^{2}}{(1-x)^{4}}$ (hdr. acumnos 2 + 42 - 23 (X+4) (1+2) 1 (1+2) 1 , 9 he cyco. mm x-1, y-0 mm x-0, x-4. 9 >6 npm [270; 9 20 npm [-1 220. $9(-9) = \frac{256}{-23} = -913$ $y' = \frac{(4x^{2} + 12x^{2})(1+x)^{4} - 4(1+x)^{3}(x^{4} + 4x^{3})}{(1+x)^{8}}$ (12x) (x+1)-4 (x+43) 12x (x+1) (x+1) g'ne ygy nyu still - 1 o 9=0 npu x=0 9>0 npu x>C-1 < x < 0 x>0 / y < 0 npu x <