lim x vx -8 = lim (vx-2)(x + 2vx +4) x > 4 (vx -2) = 12, ling arcsink 1 daresink paresink. Che n x. Che 2 / 3 arcsigk paresink. Che n x. Che 2 / 3 arcsigk paresink. Che n x. Che 2 /= = lin xln2 = ln2 x40 xln3 = ln3 N6 a) lim (x+2sinx) 1/x = 1 + 0] = 1 - ner reconsequences recore buga [12] > realize uper elevent δ) line (2x+sinx)/22 = [2]=1- reer reenpegener-noene brega [1∞] > recesza nperecepte II g.n. B) lim (x + 25inx) 1/2 = [(1+2)] = + \in - ner recorge generice con beiga [+ \in] \rightarrow recorge nperception 43:1. line (x+ \(\frac{x+1}{x}\) \(\frac{1}{x^2+1}\) \(\frac{1}{x^2+3}\) = \[2 + \infty \] = + \infty - Leet recompegeneralen Buga I 1 ~] - Helbjel njundelseet $y = \frac{\sin \frac{\pi}{k}}{\ln |x|}$ Preneque enpegaleeren re reempepale Pen |x| ven berogy kanter $x_0 = 0$, kerk kare-reguested ordererapier opprekteris. Somanobette vapaktes pagnotber b vorke $x_0 = 0$. lien sien & = 0, T. D. sien & - Ocp, En/x1 - Ow. lem sint = 0 (ancienterres) Т.к. оба предела существиот, колестого ге равное, го x=0- устраниненая гогка разрогва $y = arosin \frac{\sqrt{x}}{2} \Rightarrow y' = \frac{1}{\sqrt{1 - \frac{x'}{4}}} \cdot \frac{1}{\sqrt{4\sqrt{x'}}} = \frac{1}{2\sqrt{4x-x^2}}$ $y = \frac{\sqrt{1+x^3}}{x^2}(x^2-3) = \sqrt[3]{1+x^3} \cdot (1-\frac{3}{x^2})$ y'= \$ (1+x3)-3,3x2(1-3)+(1+x3)3. (+3-2x