Us wegbane en fyrrynn gedp. Du.; morephand un cunet pror; a cuntototu, untephand ru monot orthoct, non exception, none kruno a, un prox chen Tocku, Tadu. c × apreximent Tocku, no coposbare ru papuka $y = \frac{x^3 + 4}{x^2}$ $y(-x) = \frac{-x^3 + 6}{x^2} + \frac{y(x)}{y(x)}$ $y(-x) = \frac{-x^3 + 6}{x^2} + \frac{y(x)}{y(x)}$ $\lim_{x \to \pm 0} \frac{1}{x^{2}} = \lim_{x \to \pm 0} \frac{1 + \frac{4}{x^{2}}}{x^{2}} = \lim_{x \to \pm 0} \frac{1 +$ $\lim_{X \to 0} \frac{X^{3} + 4}{X^{2}} = \lim_{E \to 0} \frac{(0 - E)^{3} + 4}{(0 - E)^{2}} = \lim_{E \to 0} \frac{-E^{3} + 4}{E^{2}} = \lim_{E \to 0} \frac{X^{3} + 4}{E^{2}} = \lim_{E \to 0} \frac{E^{3} + 4}{E^{2}} = \lim_{E \to 0} \frac{E^{$

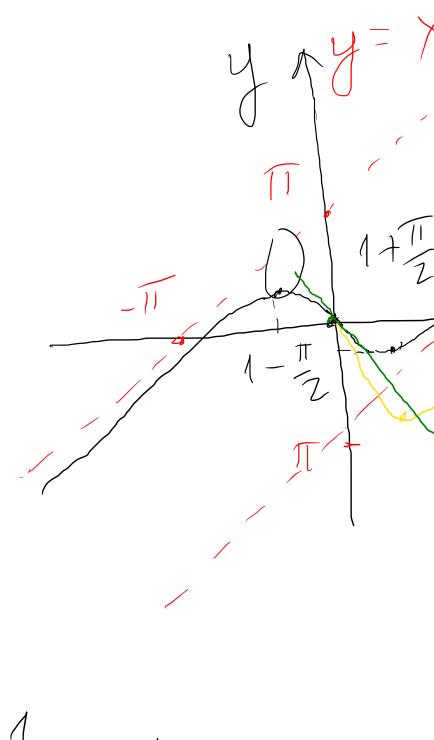
$$y = y - T$$

$$y = 1 - T$$

$$\lim_{M \to \infty} y' = \lim_{M \to \infty}$$

$$\lim_{X \to 0} \frac{1}{2} - \lim_{X \to 0} \frac{x^2 - 1}{x^2 + 1} = -1$$

$$\int y = ar ct y \frac{1}{x^2 - 1}$$



1)
$$y = \operatorname{arct} g \frac{1}{x^2 - 1}$$
 2) $y = \operatorname{Int} g \left(\frac{\pi}{4} - \frac{2\varepsilon}{2} \right)$ 3) $y = (x+1)e^{\frac{1}{x}}$

$$y'' = \frac{2x(x^{2}+1) - 2x(x^{2}-1)}{(x^{2}+1)^{2}} = \frac{2x(x^{2}+1) - 4x}{(x^{2}+1)^{2}} = \frac{4x}{(x^{2}+1)^{2}}$$

$$y'' > 0 \qquad \frac{4x}{(x^{2}+1)^{2}} > 0 \implies x > 0$$

$$x = 0 \text{ e und} x = 0$$

 $y'' = 3x^2x^3 - 3x^2(x^2-8) = 3x^3 - 3x^3 + 24x^2 = \frac{24}{x^4} > 0 \Rightarrow ususum$