Lab 1 Tuesday, March 17, 2020 5:53 PM monale mult cent of x = 0 Also für  $x \in [-(, 3, -y_{max} = (, -() = (, 0) = \frac{1}{2})]$  $Fin \times C \left[-100, 100\right] - ymax = J(100) = J(-100) : J(\frac{10^4}{10^4 + 1})$ lim  $|x| = \lim_{x \to \infty} \frac{x^2}{x^2 + 1} = \lim_{x \to \infty} \frac{2x}{2x} = 1$ (das Gleiche für lem (XI-1) y = 1 ist horizontale Hoympstote

nach + 20 juin j  $\int_{0}^{2} u = 0 = (\frac{1}{2})(x) = 0 + \frac{(x-0)^{2}}{2} \cdot 2 = 0$