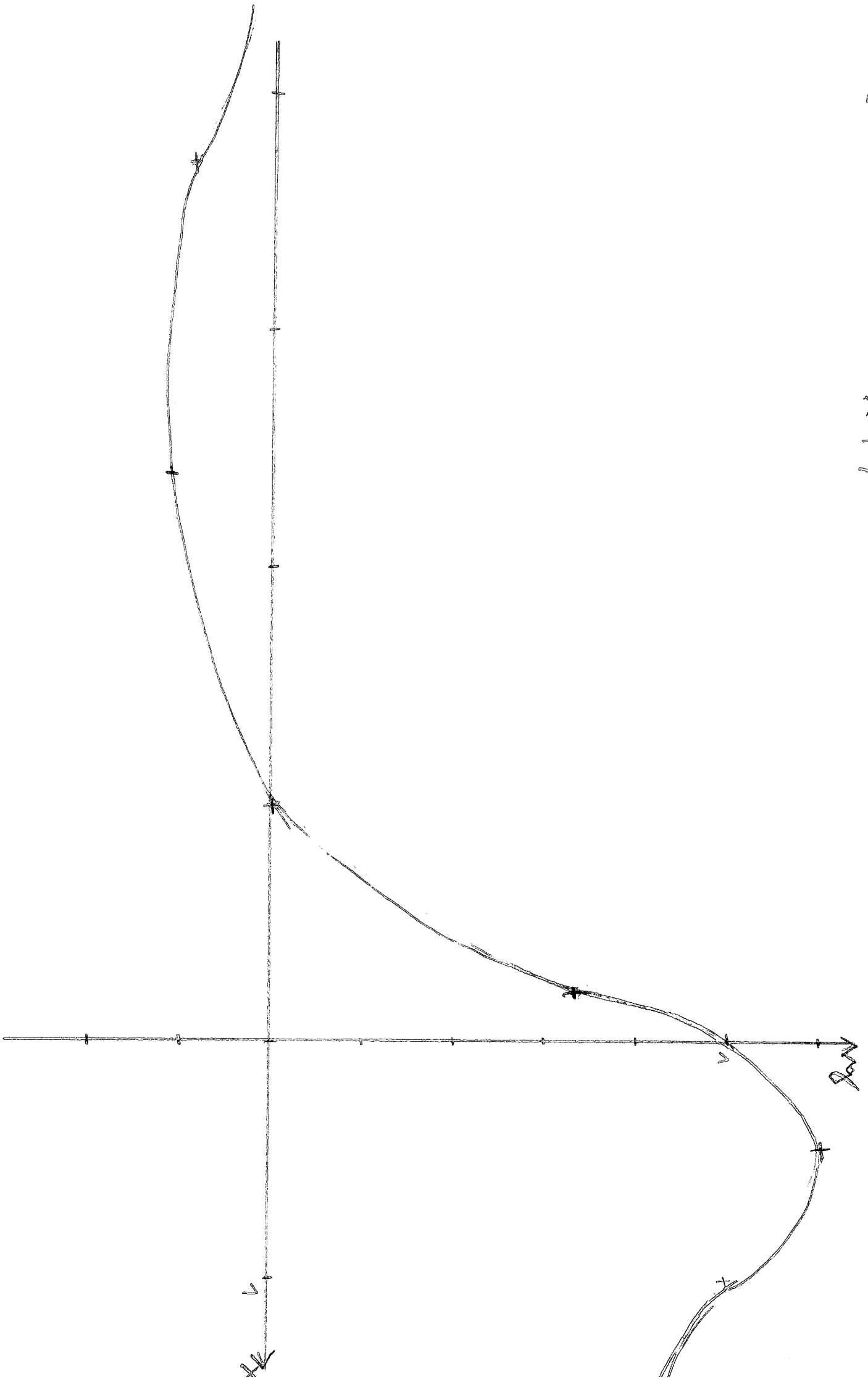


Proof $f(x) = \frac{x+1}{x^2+1}$



$$f(x) = \frac{x+1}{x^2+1}$$

$$x \quad -2-\sqrt{3} \quad -1-\sqrt{2} \quad -1 \quad -2+\sqrt{3} \quad 0 \quad -1+\sqrt{2} \quad 1$$

$$x \quad -3.7 \quad -2.4 \quad -0.22 \quad -0.22 \quad 0.41$$

$$f(x) \quad \frac{1-\sqrt{3}}{4} \quad \frac{1-\sqrt{2}}{2} \quad 0 \quad \frac{1+\sqrt{3}}{4} \quad 1 \quad \frac{1+\sqrt{2}}{2} \quad 1$$

$$f(x) \quad -0.18 \quad -0.21 \quad 0.68 \quad 1.21$$

$$f'(x) \quad - \quad - \quad - \quad + \quad + \quad + \quad + \quad +$$

$$f'(x) \quad - \quad - \quad + \quad + \quad + \quad + \quad - \quad -$$

$$f''(x) \quad - \quad + \quad + \quad + \quad - \quad - \quad - \quad +$$