$$y = \frac{x+3}{\sqrt{x+4} - 1}$$

$x+4 \geq 0$ $\quad \sqrt{x+4} \neq 1$

$x \geq -4$ $\quad x \neq -3$

$D = [-4, -3) \cup (-3, +\infty)$

$= [-4, +\infty) \setminus \{-3\}$

$\frac{0}{0}$!!

$$\frac{0.001}{0.000\,001} = 1000$$

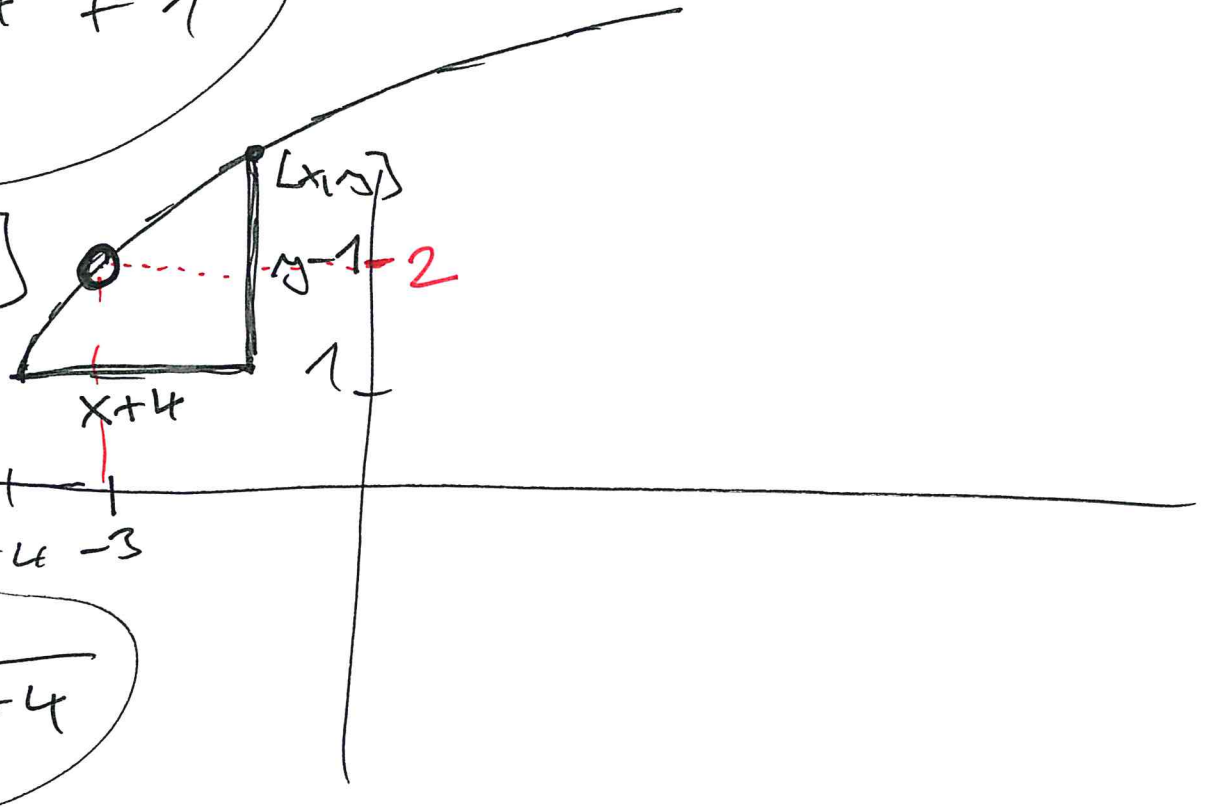
$$\frac{0.000\,001}{0.001} = 0.001$$

$$(a-b)(a+b) = a^2 - b^2$$

$$y = \frac{(x+3)(\sqrt{x+4}+1)}{(\sqrt{x+4}-1)(\sqrt{x+4}+1)} = \frac{(x+3)(\sqrt{x+4}+1)}{x+4-1} =$$

$$= \sqrt{x+4}+1$$

$$V = [1, -4]$$



$$y-1 = \sqrt{x+4}$$

$$\lim_{x \to -3} \frac{x+3}{\sqrt{x+4} - 1} = 2$$