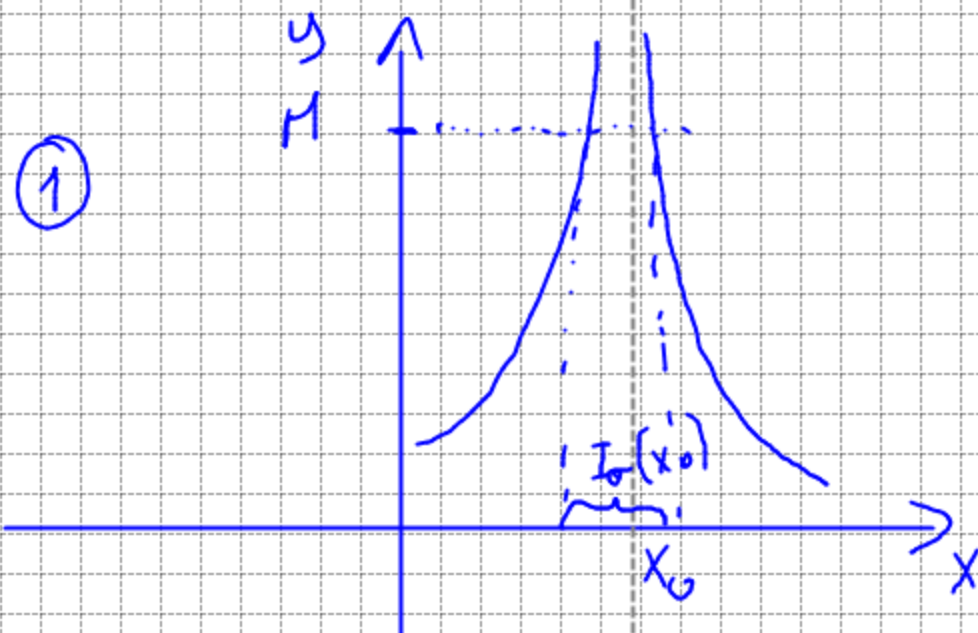
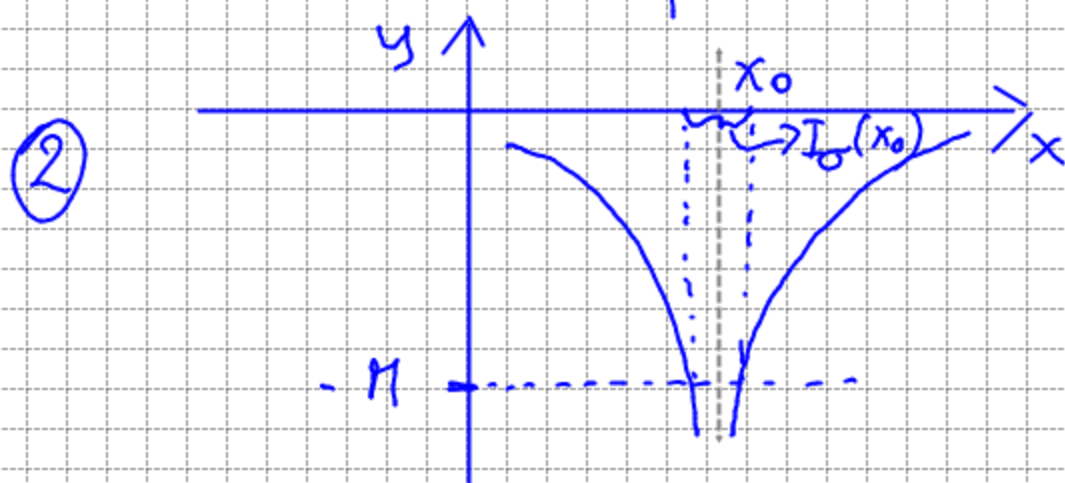


# LIMITE INFINITO-FINITO

$$\lim_{x \rightarrow x_0} f(x) = \infty \begin{cases} \textcircled{1} \lim_{x \rightarrow x_0} f(x) = +\infty \\ \textcircled{2} \lim_{x \rightarrow x_0} f(x) = -\infty \end{cases}$$



$\forall M > 0$  "grande"  $\exists I_M(+\infty)$  e correspondentemente  $\exists I_\delta(x_0) /$   
 $\forall x \in I_\delta(x_0)$  si ha de  $f(x) \in I_M(+\infty)$  cioè:

$$f(x) > M$$


$\forall -M < 0$  "grande"  $\exists I_M(-\infty)$  e correspondentemente  $\exists I_\delta(x_0) /$   
 $\forall x \in I_\delta(x_0)$  si ha de  $f(x) \in I_{-M}(-\infty)$   
 cioè:

$$f(x) < -M$$