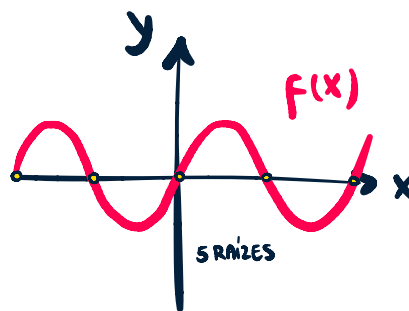
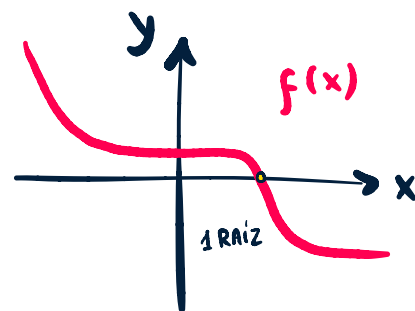
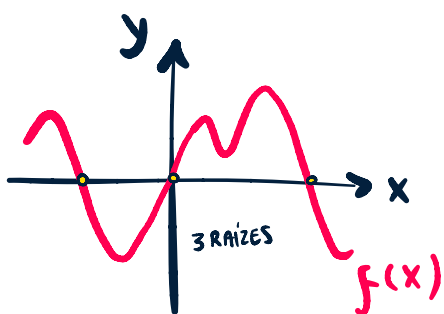
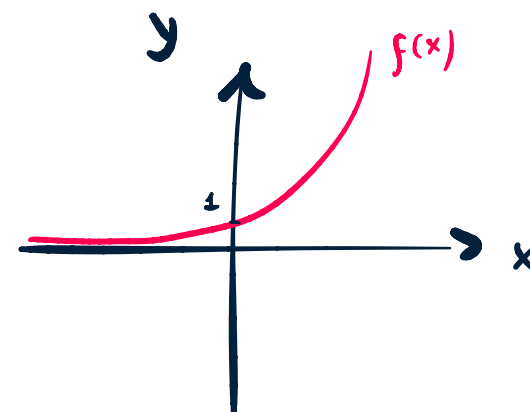


FUNÇÕES : RAÍZES

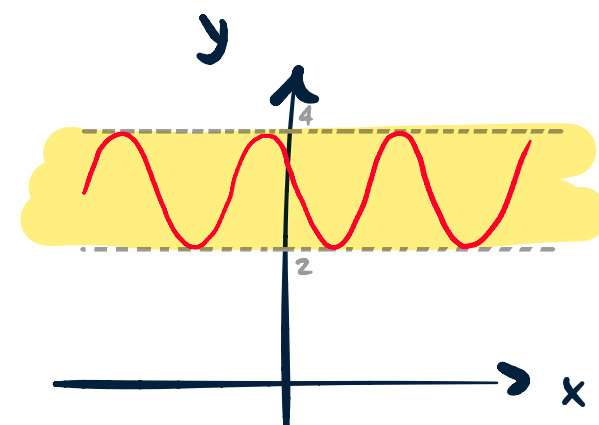
RAÍZ: VALOR(ES) DE x TAIS QUE $f(x) = 0$.



$$f(x) = 2^x$$

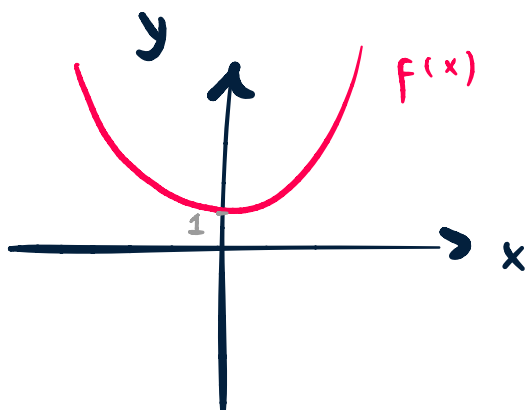


$$f(x) = 3 + \text{sen}(x)$$

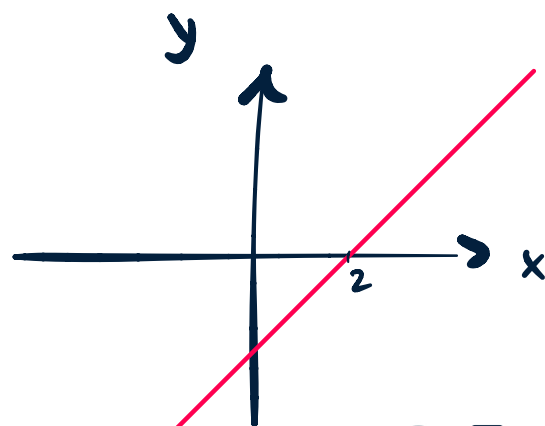


$$\begin{aligned} -1^{+3} &\leq \text{sen}(x)^{+3} \leq +1^{+3} \\ 2 &\leq 3 + \text{sen}(x) \leq 4 \\ 2 &\leq f(x) \leq 4 \end{aligned}$$

$$f(x) = x^2 + 1$$



$$f(x) = 6x - 12$$



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Das funções abaixo a única que certamente irá possuir raízes é

- a) função exponencial ✗
- b) função do primeiro grau
- c) função do segundo grau ✗
- d) função cosseno ✗
- e) função seno ✗



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