

[l(x,1) =
$$a(x-1) + b(y-2) + 7$$
]

Teargema: Toda para lead after con $l(1,2)=7$

$$a(x-8) + b(y-8) + 4$$

Def: Vna privat $f: \mathbb{R}^n \to \mathbb{R}$ es diferentible

en $a \in \mathbb{R}^n$ $s: existe una privata lead

a fin $l_a(x)$ que la apoxina MV RIEN

ce a di a , en et tembido en que ...

Lim $|f(x) - l_a(x)| = 0$ | La constant $|x-a|$

$$|x-a|$$

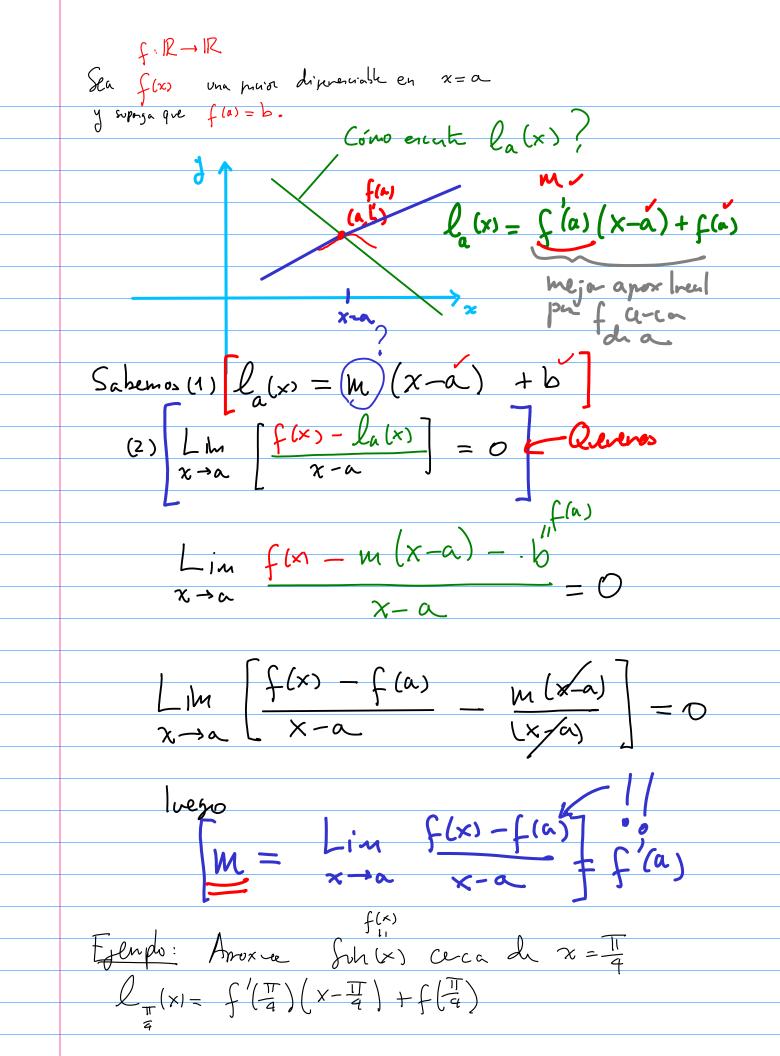
f(x) - $l_a(x)$ deveu nucho na s'inpido

que $|x-a|$

Ejemplo:
$$f(x) = |x|$$

$$f(x) - ax = 0$$

$$x \to 0$$$



$$f'(x) = G_{0}(x)$$
 $G_{0}(x) = \frac{1}{4} = \frac{1}{2}$
 $G_{1}(x) = \frac{1}{2}$

$$\left(\begin{array}{c} \sqrt{2} \left(\times \right) = \frac{\sqrt{2}}{2} \left(\times - \frac{11}{4} \right) + \sqrt{2} \\ \frac{1}{2} \end{array}\right)$$

$$Sim(T+0.00001) \approx V_{\frac{1}{2}}(0.00001) + V_{\frac{1}{2}}$$