Reglas de derivación

$$\lim_{X \to \infty} \left(\frac{\Theta^{2X}}{e^{2X}} \cos X \right) = 0$$

$$\lim_{X \to \infty} \frac{\cos X}{e^{2X}} \xrightarrow{\text{PLIJE}} \frac{\cos X}{e^{2X}} \xrightarrow{\text{OO}} \left(\frac{e^{2X}}{e^{2X}} \cos X \right) \left[\frac{1}{4} \sin \theta \cos X \right]$$

$$\lim_{X \to \infty} \left(\frac{e^{2X}}{e^{2X}} \cos X \right) \left[\frac{1}{4} \sin \theta \cos X \right]$$

$$\lim_{X \to \infty} \left(\frac{e^{2X}}{e^{2X}} \cos X \right) \left[\frac{1}{4} \sin \theta \cos X \right]$$

$$f(t) = \frac{2t+1}{t+3}$$

$$f'(t) = \lim_{N \to 0} \frac{f(t+N)-f(t)}{N} = \frac{2t+1}{t+3}$$

$$f'(t) = \lim_{N \to 0} \frac{2t+1}{t+3} = \frac{1}{3}$$

Determine una fórmula para una función que tiene asíntotas verticales x = 1 y x = 3 y asíntota horizontal y = 1.

$$f(x) = \frac{g(x)}{h(x)} = 0 \Rightarrow \text{RAICES}$$

$$h(x) = (x-1)(x-3) = x^2 - 4x + 3$$

$$f(x) = \frac{ax^2 + bx^4 + ... + d GRADO g \angle gRADO ho}{x^2 - 4x + 3}$$

$$GRADO g = GRADO h$$

$$(f(x)) = (0x^2)$$

$$(1x^2-4y+3)$$

Lim f(x) A.V. Lim f(x) 1 $\chi \rightarrow 1$ $\chi \rightarrow 1$ $\chi \rightarrow -cod$ $\chi \rightarrow -cod$

