Propiedades

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⬇ Status	
☰ Type	

Racionales

$$\lim_{x \to +\infty} \frac{x^n}{x^m} = 0 \quad si\ m > n$$

Trigonometricos

$$\lim_{x \to 0} \frac{Sin(x)}{x} = 1 \qquad\qquad \lim_{x \to 0} \frac{1 - Cos(x)}{x} = 0$$

$$\lim_{x \to 0} \frac{1 - Cos(x)}{x^2} = \frac{1}{2}$$

Logaritmicos

$$\lim_{x \to 0^+} Ln(x) = -\infty \qquad\qquad \lim_{x \to \infty} Ln(x) = \infty$$

$$\lim_{x \to \infty} \frac{Ln(x)}{x} = 0$$

$$\lim_{x \to 0} \frac{Ln(x + 1)}{x} = 1 \qquad\qquad \lim_{x \to 0} \frac{Ln(x)}{x - 1} = 1$$

Exponenciales

$$\lim_{x \to 0} xe^{-x} = 0 \qquad\qquad \lim_{x \to \infty} xe^{-x} = 0$$

$$\lim_{x \to \infty} a^{1/x} = 1 \; (a > 0) \qquad\qquad \lim_{x \to \infty} x^{1/x} = 1$$

Crecimiento de las funciones

Ordenar $e^x \; Ln(x) \; x^n \; a^x \; Sin(x) \; Cos(x)$