- $\lim_{x \to +\infty} \left(1 + \frac{1}{x}\right)^x = e$
- $\lim_{x \to 0} \frac{\ln(1+x)}{x} = 1$
- $\lim_{x \to 0} (1+x)^{\frac{1}{x}} = e$
- $\lim_{x \to 0} \frac{e^x - 1}{x} = 1$
- $\lim_{x \to 0} \frac{(1+x)^\alpha - 1}{x} = \alpha \in \mathbb{R}$
- $\lim_{x \to 0} \frac{\sin x}{x} = 1$
- $\lim_{x \to 0} \frac{1 - \cos x}{x^2} = \frac{1}{2}$
- $\lim_{x \to 0} \frac{\operatorname{tg} x}{x} = 1$