

LÍMITES

$$\lim_{x \rightarrow \infty} \left(\frac{2x+1}{2x-1} \right)^{\frac{x}{6}} = e^{\frac{1}{6}}$$

$$\lim_{x \rightarrow \infty} \left(\frac{3x-2}{3x+3} \right)^{x^2} = e^{\frac{-20}{3}}$$

$$\lim_{x \rightarrow 1} \left(\frac{x^2+3}{2x^2+2} \right)^{\frac{1}{x-1}} = e^{\frac{-1}{2}}$$

$$\lim_{x \rightarrow 5} \frac{x^2 - 25}{x^2 - 6x + 5} = \frac{5}{2}$$

$$\lim_{x \rightarrow 0} \frac{\sqrt{x+4} - 2}{x} = \frac{1}{4}$$

$$\lim_{x \rightarrow \infty} \frac{\sqrt{x^3 + 2x^2 + 1} - x\sqrt{x}}{\sqrt{3x+2}} = \frac{\sqrt{3}}{3}$$