

Determinare, se esistono, i seguenti limiti di funzioni elementari. É richiesta solo la capacità di disegnare i grafici e di *leggere* le risposte dai disegni.

$$\lim_{x \rightarrow +\infty} 4x^2 - 3x + 1$$

$$\lim_{x \rightarrow -\infty} \frac{1}{x}$$

$$\lim_{x \rightarrow +\infty} \operatorname{sen} x$$

$$\lim_{x \rightarrow 0} \log x$$

$$\lim_{x \rightarrow +\infty} 5$$

$$\lim_{x \rightarrow -\infty} 6x - 5$$

$$\lim_{x \rightarrow -\infty} -3x - 2$$

$$\lim_{x \rightarrow -\infty} 9$$

$$\lim_{x \rightarrow -\infty} |x|$$

$$\lim_{x \rightarrow +\infty} \cos x$$

$$\lim_{x \rightarrow +\infty} -7x^2 - x + 3$$

$$\lim_{x \rightarrow +\infty} 3x + 1$$

$$\lim_{x \rightarrow +\infty} |x|$$

$$\lim_{x \rightarrow -\infty} -2x^2 + x + 8$$

$$\lim_{x \rightarrow +\infty} x^3$$

$$\lim_{x \rightarrow -\infty} x^4$$

$$\lim_{x \rightarrow +\infty} 3^x$$

$$\lim_{x \rightarrow -\infty} 5^x$$

$$\lim_{x \rightarrow +\infty} \log_3 x$$

$$\lim_{x \rightarrow 0} \log_3 x$$

$$\lim_{x \rightarrow -\infty} \cos x$$

$$\lim_{x \rightarrow +\infty} \operatorname{arctg} x$$

$$\lim_{x \rightarrow -\infty} 3x^2 - 7x + 5$$

$$\lim_{x \rightarrow +\infty} \log_{\frac{1}{5}} x$$

$$\lim_{x \rightarrow -\infty} \operatorname{sen} x$$

$$\lim_{x \rightarrow +\infty} -2x + 3$$

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

$$\lim_{x \rightarrow -\infty} \left(\frac{3}{7}\right)^x$$

$$\lim_{x \rightarrow -\infty} x^3$$

$$\lim_{x \rightarrow +\infty} x^4$$

$$\lim_{x \rightarrow +\infty} \left(\frac{8}{3}\right)^x$$

$$\lim_{x \rightarrow -\infty} \left(\frac{9}{7}\right)^x$$

$$\lim_{x \rightarrow +\infty} \log x$$

$$\lim_{x \rightarrow 0} \log_{\frac{1}{4}} x$$

$$\lim_{x \rightarrow +\infty} \log_{\frac{7}{5}} x$$

$$\lim_{x \rightarrow 0} \log_{\frac{9}{4}} x$$

$$\lim_{x \rightarrow +\infty} \frac{1}{x}$$

$$\lim_{x \rightarrow 0^+} \frac{1}{x}$$

$$\lim_{x \rightarrow 0^-} \frac{1}{x}$$

$$\lim_{x \rightarrow -\infty} \operatorname{arctg} x$$