

Déterminer

$$\lim_{x \rightarrow +\infty} \frac{3x^2 + 7x - 5}{-5x^4 + 2x^3 - 5x^2 + 6x - 5}$$

$$\begin{aligned} \lim_{x \rightarrow +\infty} \frac{3x^2 + 7x - 5}{-5x^4 + 2x^3 - 5x^2 + 6x - 5} &= \lim_{x \rightarrow +\infty} \frac{3x^2}{-5x^4} \\ &= \lim_{x \rightarrow +\infty} \frac{3}{-5x^2} = 0 \end{aligned}$$