$$- si grau P\left(x\right)>grau Q(x)$$

$$\lim\_{x\to \infty }\frac{x^{4}+ 6x+10}{x^{2}+ 3x+2}= \frac{\infty }{\infty }= \infty $$

$$\lim\_{x\to \infty }\frac{3x^{5}+ 2x+5}{4x^{3}+ 4x+2}= \frac{\infty }{\infty }= \infty $$