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

$$\lim\_{x\to \infty }\frac{x^{3}+ 6x+10}{5x^{4}+ 3x+2}= \frac{\infty }{\infty }=0$$

$$\lim\_{x\to \infty }\frac{x^{2}+ 10x+3}{x^{3}+ 3x+2}= \frac{\infty }{\infty }=0$$