

## Esercizi

Ricordando che  
 $\lim_{x \rightarrow +\infty} f(x) = \lim_{x \rightarrow -\infty} f(-x)$

calcolare i seguenti limiti

$$\lim_{x \rightarrow +\infty} \frac{3x+1}{4x-3} ; \lim_{x \rightarrow -\infty} \frac{3x+1}{4x-3}$$

$$\lim_{x \rightarrow +\infty} \frac{\sqrt{x+1}}{x-3} ; \lim_{x \rightarrow -\infty} \frac{\sqrt{x+1}}{x-3}$$

$$\lim_{x \rightarrow +\infty} \frac{\sqrt{x^2-4x}}{2x-1} ; \lim_{x \rightarrow -\infty} \frac{\sqrt{x^2-4x}}{2x-1}$$

$$\lim_{x \rightarrow +\infty} \frac{2x^3-8}{3x+1} ; \lim_{x \rightarrow -\infty} \frac{2x^3-8}{3x+1}$$