

### Esercizi del 10/10/2022

Calcolare i seguenti limiti

$$\lim_{n \rightarrow +\infty} \frac{(n+1)^6 - (n-1)^6}{(n+1)^5 + (n-1)^5}$$

$$\lim_{n \rightarrow +\infty} \frac{n^2}{n+1} - \frac{n^2+1}{n}$$

$$\lim_{n \rightarrow +\infty} \sqrt[n]{2n^5 + 1}$$