

ENTRENAMIENTO SESIÓN 20 (18-11-11) LÍMITES DE SUCESIONES
Grupo

Calcula los siguientes límites:

$$\lim_{n \rightarrow +\infty} \left(-\frac{3}{4}\right)^n =$$

$$\lim_{n \rightarrow +\infty} \sqrt[n]{2} =$$

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

$$\lim_{n \rightarrow +\infty} \frac{n^3+1}{2n^2} - \frac{n^3+1}{n} =$$

$$\lim_{n \rightarrow +\infty} \frac{n^3+2^n}{2n^4} =$$

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

$$\lim_{n \rightarrow +\infty} \frac{\log(n^2)}{n^2} =$$

$$\lim_{n \rightarrow +\infty} \frac{\sqrt{n}}{\log(n)+1} =$$

$$\lim_{n \rightarrow +\infty} \left(\frac{2n^3+1}{n^3}\right)^n =$$

$$\lim_{n \rightarrow +\infty} \left(\frac{3n+1}{n}\right)^n =$$

$$\lim_{n \rightarrow +\infty} \sqrt[n]{n} =$$

$$\lim_{n \rightarrow +\infty} \frac{\log(n)}{e^n} =$$

$$\lim_{n \rightarrow +\infty} \frac{3^{n+1}}{e^n} =$$

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

$$\lim_{n \rightarrow +\infty} \frac{n^2 + 1}{\log(n^2 + 1)} =$$

$$\lim_{n \rightarrow +\infty} \frac{(n^2 + 1)\sin(n)}{e^n} =$$

$$\lim_{n \rightarrow +\infty} \frac{(n+1)!}{(2n^2 + 1)n!} =$$

$$\lim_{n \rightarrow +\infty} \frac{3^{n+1} + 2^n}{3^n} =$$