

Determine the limit of the following

1. $\lim_{x \rightarrow -\infty} \frac{e^x + 2x}{2x} =$

2. $\lim_{x \rightarrow \infty} \frac{e^x + 2x}{e^x} =$

3. $\lim_{x \rightarrow -\infty} \frac{x^2 + \sin x}{x^2} =$

4. $\lim_{x \rightarrow \infty} \frac{x^2 + \sin x}{\sin x} =$