

Test na limity I

Vypočtěte:

1. $\lim_{x \rightarrow -1} \frac{x^2 + 4x + 3}{x^3 + x^2 - 4x - 4}$

2. $\lim_{x \rightarrow -2} \frac{2 - \sqrt{6 + x}}{x + 2}$

3. $\lim_{x \rightarrow \infty} \frac{1 + x + x^2}{1 + 2x + 4x^2}$

4. $\lim_{x \rightarrow \frac{\pi}{2}} \frac{1 - \sin x}{\cos^2 x}$

5. $\lim_{x \rightarrow 2-} \frac{x + 2}{x - 2}$