

Oefening limieten 3

1. $\lim_{n \rightarrow \infty} \frac{5n}{\sqrt{n^2 + 1}} =$

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

3. $\lim_{x \rightarrow \infty} (\sqrt{2x - 5} - \sqrt{2x + 3}) =$

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

5. $\lim_{n \rightarrow \infty} \frac{(-1)^n}{\sqrt{n}} =$

6. $\lim_{x \rightarrow \infty} \frac{\sqrt{x^2 - 4}}{2x} =$

7. $\lim_{x \rightarrow \infty} \frac{\cos 2x}{x} =$

8. $\lim_{n \rightarrow 3} \frac{n^2 - 5n + 6}{2n - 6} =$

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

10. $\lim_{x \rightarrow 0} \frac{e^x - 1}{x} =$