

Oefening limieten 7

1. $\lim_{x \rightarrow 3} \frac{5x^2 - 8x - 13}{x^2 - 5} =$

2. $\lim_{n \rightarrow \infty} \frac{n+3}{\sqrt{9n^2 - 5n}} =$

3. $\lim_{n \rightarrow \infty} x - \sqrt{x^2 + 7} =$

4. $\lim_{x \rightarrow -\infty} \frac{x+7}{3x+5} =$

5. $\lim_{n \rightarrow 4} \frac{3 - \sqrt{n+5}}{n-4} =$

6. $\lim_{x \rightarrow 2} \frac{3x^2 - x - 10}{x^2 - 4} =$

7. $\lim_{x \rightarrow -\infty} x - \sqrt{x^2 + 7} =$

8. $\lim_{x \rightarrow 2} \frac{\frac{1}{x} - \frac{1}{2}}{x^3 - 8} =$

9. $\lim_{n \rightarrow 1} \frac{n^3 - 1}{(n-1)} =$

10. $\lim_{x \rightarrow 27} \frac{x-27}{\frac{1}{x^3} - 3} =$