

1. Nilai $\lim_{x \rightarrow \infty} \frac{6x^3 + x^2 + 2}{2x^3 + x + 1} =$
2. $\lim_{x \rightarrow \infty} \frac{(x+5)(2x+3)}{(3x-4)(x-1)} =$
3. Nilai $\lim_{x \rightarrow 9} \frac{\sqrt{x}-3}{x-9} =$
4. Tentukan nilai $\lim_{x \rightarrow \infty} ((x-2) - \sqrt{3x^2 - 5x + 2})$
5. Jika $f(x) = \frac{(3x^2+5x+2)(x-3)}{2x^3+4x-1-(x-5)^3}$, nilai dari $\lim_{x \rightarrow \infty} f(x) =$
6. Nilai $\lim_{x \rightarrow \infty} (\sqrt{4x^2 + 3x + 5} - \sqrt{4x^2 - 3x - 1})$
7. Nilai $\lim_{x \rightarrow \infty} \frac{3x^4 + 2x^3 - 5x + 4}{2x^3 - 4x^2 + 9} =$
8. $\lim_{x \rightarrow \infty} \frac{\sqrt{5-4x+3x^2} + \sqrt{4-3x+3x^2}}{2x} =$
9. Nilai $\lim_{x \rightarrow \infty} (\sqrt{4x^2 + 6x - 1} - 2x + 3)$
10. Nilai $\lim_{x \rightarrow \infty} \left(3 - x + \frac{x^2 - 2x}{x+5} \right) =$