

NAMA :

KELAS :

NO ABSEN :

LATIHAN SOAL

TENTUKAN NILAI LIMIT FUNGSI BERIKUT!

1. $\lim_{x \rightarrow 3} \frac{x^2 - 7x + 12}{x - 3} = \dots$

2. $\lim_{x \rightarrow -2} \frac{3x^2 + 4x - 4}{x^2 - 4x - 12} = \dots$

3. $\lim_{x \rightarrow 3} \frac{x^2 - 9}{\sqrt{x + 7} - 2} = \dots$

4. $\lim_{x \rightarrow \infty} \frac{x^4 + 2x^3 + 4}{3x^4 - 5x^2 - 2} = \dots$

5. $\lim_{x \rightarrow \infty} \frac{x^4 + 3x^2 + 9}{x^7 + 2x^3 - 3} = \dots$

6. $\lim_{x \rightarrow \infty} \frac{2x^6 + 3x^4 - 5}{4x^5 + x^2 + 7} = \dots$

7. $\lim_{x \rightarrow \infty} \frac{(x - 2)^2(x^3 + 5)}{2x^5 + x^3 - 2x - 1} = \dots$

8. $\lim_{x \rightarrow \infty} (\sqrt{x^2 + 9x - 3} - \sqrt{x^2 + 2x - 5}) = \dots$

9. $\lim_{x \rightarrow \infty} (\sqrt{x^2 + 9x - 2} - (4x + 1)) = \dots$

10. $\lim_{x \rightarrow \infty} (x + 5) - (\sqrt{x^2 + 9x - 2}) = \dots$