

LIMIT FUNGSI ALJABAR

Dengan ATURAN L'HOPITAL

Perhatikan video di bawah ini !



LATIHAN SOAL

SOAL 1

$$\lim_{x \rightarrow 3} \frac{x^3 - 27}{x - 3}$$

$$\frac{\boxed{}x^2}{\boxed{}}$$

$$\boxed{}(\boxed{})\boxed{}$$

$$\boxed{}$$

SOAL 2

$$\lim_{x \rightarrow 2} \frac{x^2 - 4}{x^3 - 8}$$

$$\frac{\boxed{}x}{\boxed{}x^{\boxed{}}}$$

$$\boxed{}$$

$$\boxed{}$$

$$\boxed{}$$

$$\boxed{}$$

SOAL 3

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

$$\frac{\square x - \square}{\square x + \square}$$

$$\frac{\square(1) - \square}{\square(1) + \square}$$

$$\frac{-\square}{\square}$$

$$\frac{-\square}{\square}$$

$$\frac{-\square}{\square}$$

$$\frac{-\square}{\square}$$

SOAL 4

$$\lim_{h \rightarrow 0} \frac{(2 + h)^4 - 16}{h}$$

$$\frac{\square(1)(\square + h)^{\square}}{\square}$$

$$\frac{\square}{\square}$$

$$\frac{\square(2 + \square)^{\square}}{\square}$$

$$\frac{\square}{\square}$$

SOAL 5

$$\lim_{x \rightarrow -2} \frac{x^2 + 5x + 6}{x^2 - 3x - 10}$$

$$\begin{array}{r} \boxed{}x + \boxed{} \\ \hline \boxed{}x - \boxed{} \\ \boxed{}(-2) + \boxed{} \\ \hline \boxed{}(-2) - \boxed{} \\ \boxed{} \\ - \boxed{} \end{array}$$

