



PH LIMIT
10 Questions

NAME : _____

CLASS : _____

DATE : _____

1. Nilai $\lim_{x \rightarrow 2} \frac{(x^2 - 4)}{(x - 2)}$ adalah ...

A 0

B 1

C 2

D 4

2. $\lim_{x \rightarrow 0} \frac{2x}{x + 2} = \dots$

A 0

B 1

C 3

D 9

E ∞

3. $\lim_{x \rightarrow 1} (x^3 - 2x + 3)(x^4 + x^3 - 3x^2 - 1) = \dots$

A -8

B -4

C 0

D 4

E 8

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

A 3

B -4

C 4

D 2

5. $\lim_{x \rightarrow 3} \frac{x^2 + x}{3} = \dots$ Nilai limit dari

A 7

B 4

C 6

D 3

E 2

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

Bentuk di atas dapat diselesaikan menggunakan metode

- | | |
|---|--|
| ☐ A substitusi | ☐ B eliminasi |
| ☐ C memfaktorkan | ☐ D kali akar sekawan |
| ☐ E cramer | |

7. Nilai dari $\lim_{x \rightarrow -4} \frac{x^2 - 6x + 8}{x - 4} = \dots$

- | | |
|-------------------------------|------------------------------|
| ☐ A -6 | ☐ B 0 |
| ☐ C 2 | ☐ D 6 |
| ☐ E 8 | |

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

- | | |
|-------------------------------------|-------------------------------|
| ☐ A -4 | ☐ B -2 |
| ☐ C 1 | ☐ D 2 |
| ☐ E ∞ | |

9. $\lim_{x \rightarrow \infty} \frac{3x^2 + x + 2}{x^3 + 2x^2 + 1} = \dots$

- | | |
|-------------------------------------|--------------------------------|
| ☐ A 0 | ☐ B 1,5 |
| ☐ C 2 | ☐ D 3 |
| ☐ E ∞ | |

10. $\lim_{x \rightarrow \infty} \frac{2x^4 + 3x^3 - x^2 + 6x - 9}{3 - 5x + 3x^2 - 4x^3 - 6x^4} = \dots$

- | | |
|---|---|
| ☐ A $-\frac{1}{3}$ | ☐ B $\frac{1}{3}$ |
| ☐ C $\frac{2}{3}$ | ☐ D $-\frac{2}{3}$ |
| ☐ E $\frac{3}{2}$ | |

