



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  $\infty$ 

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

- |                                         |                                              |
|-----------------------------------------|----------------------------------------------|
| <input type="checkbox"/> A substitusi   | <input type="checkbox"/> B eliminasi         |
| <input type="checkbox"/> C memfaktorkan | <input type="checkbox"/> D kali akar sekawan |
| <input type="checkbox"/> E cramer       |                                              |

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

- |                               |                              |
|-------------------------------|------------------------------|
| <input type="checkbox"/> A -6 | <input type="checkbox"/> B 0 |
| <input type="checkbox"/> C 2  | <input type="checkbox"/> D 6 |
| <input type="checkbox"/> E 8  |                              |

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

- |                                     |                               |
|-------------------------------------|-------------------------------|
| <input type="checkbox"/> A -4       | <input type="checkbox"/> B -2 |
| <input type="checkbox"/> C 1        | <input type="checkbox"/> D 2  |
| <input type="checkbox"/> E $\infty$ |                               |

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

- |                                     |                                |
|-------------------------------------|--------------------------------|
| <input type="checkbox"/> A 0        | <input type="checkbox"/> B 1,5 |
| <input type="checkbox"/> C 2        | <input type="checkbox"/> D 3   |
| <input type="checkbox"/> E $\infty$ |                                |

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

- |                                           |                                           |
|-------------------------------------------|-------------------------------------------|
| <input type="checkbox"/> A $-\frac{1}{3}$ | <input type="checkbox"/> B $\frac{1}{3}$  |
| <input type="checkbox"/> C $\frac{2}{3}$  | <input type="checkbox"/> D $-\frac{2}{3}$ |
| <input type="checkbox"/> E $\frac{3}{2}$  |                                           |

