SOUTH DAKOTA PRECALCULUS · UNIT 4 · 5 QUESTIONS

Limits, Sequences, and Series — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 The limit $\lim_{x \to 5} (x^2 - 4)$ is

- A 21
- B 25
- C 20
- D 29

Understand It with Pulse | Flag a mistake

2 Find $\lim_{x \to 1} x^2 - 1/x - 1.$

- A 0
- B 1
- C 2
- D 3

Understand It with Pulse | Flag a mistake

3 Find $\lim_{x \to \infty} \frac{5}{x^2}$.

A 5

B 1

C ∞

D 0

Understand It with Pulse | Flag a mistake

4 Find $\lim_{x \to \infty} 2x + 1/x + 3$.

A 0

B 1

C 2

D 3

Understand It with Pulse | Flag a mistake

5 **A staircase rises by the same height each step. For $a_n = 4n - 3$, the seventh term is**



A 21

B 25

C 28

D 31

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. A
2. C
3. D
4. C
5. B

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