NEWFOUNDLAND AND LABRADOR MATHEMATICS 3208 · UNIT A · 5 QUESTIONS

Limits and Continuity — 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 $\lim_{x \to 1} x^2 - 1/x - 1$ is

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

Understand It with Pulse | Flag a mistake

2 $\lim_{x \to 7} \frac{x^2 - 49}{x - 7}$ is

ANSWER _____

Understand It with Pulse | Flag a mistake

3 $\lim_{x \to 2} \frac{1}{(x-2)^2}$ is

A 0

B 1

C ∞

D does not exist

Understand It with Pulse | Flag a mistake

4 If $\lim_{x \to 2-} f(x) = 5$ and $\lim_{x \to 2+} f(x) = 5$ and $f(2) = 5$, then f is at $x = 2$

A discontinuous

B differentiable

C undefined

D continuous

Understand It with Pulse | Flag a mistake

5 $\lim_{x \to 0} (3x^2 + 2)$ is

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. C
2. 14
3. C
4. D
5. 2

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