NEWFOUNDLAND AND LABRADOR MATHEMATICS 3208 · UNIT A · 10 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 $\lim_{x \to 5} \frac{2x - 10}{x - 5}$ is

ANSWER

Understand It with Pulse | Flag a mistake

2 $\lim_{x \to \infty} \frac{4x^3 + 1}{2x^3 - 5}$ is, to two decimal places

ANSWER

Understand It with Pulse | Flag a mistake

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

ANSWER

Understand It with Pulse | Flag a mistake

4 $\lim_{x \to 0} \frac{x^2 + 5x}{x}$ is

ANSWER

Understand It with Pulse | Flag a mistake

5 $\lim_{x \to \infty} \frac{2x^2 + 3}{x^2 - 1}$ is

ANSWER

Understand It with Pulse | Flag a mistake

6 $\lim_{x \to 1} \frac{x^3 - 1}{x - 1}$ is

ANSWER

Understand It with Pulse | Flag a mistake

7 The function $f(x) = \frac{2x + 1}{x - 3}$ has a horizontal asymptote at

A y = 2

B y = 0

C y = 1

D x = 3

Understand It with Pulse | Flag a mistake

8 The function $f(x) = \frac{1}{x + 4}$ has a vertical asymptote at

A x = 4

B x = -4

C x = 0

D y = -4

Understand It with Pulse | Flag a mistake

9 $\lim_{x \to 4} \sqrt{x}$ is

ANSWER _____

Understand It with Pulse | Flag a mistake

10 $\lim_{x \to -1} x^2 - 1/x + 1$ is

A 0

B 1

C -2

D 3

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 2
2. 2
3. 10
4. 5
5. 2
6. 3
7. A
8. B
9. 2
10. C

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