ALBERTA MATH 31 · UNIT 1 · 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 The value of $\lim_{x \to 1} x^4 - 1/x - 1$ is _____

ANSWER _____

Understand It with Pulse | Flag a mistake

2 The value of $\lim_{x \to \infty} 4x^2 - 3x/2x^2 + 5$ is

A. 0

B. 2

C. 4

D. -3/5

Understand It with Pulse | Flag a mistake

3 The value of $\lim_{x \to 3} (2x^2 - 5x + 1)$ is

A -2

B 4

C 7

D 2

Understand It with Pulse | Flag a mistake

4 The value of $\lim_{x \to \infty} (7 - 2/x + 5/x^2)$ is

A 7

B 0

C ∞

D -2

Understand It with Pulse | Flag a mistake

5 The value of $\lim_{x \to \infty} (\sqrt{x^2 + 4x} - x)$ is _____

ANSWER _____

Understand It with Pulse | Flag a mistake

6 The value of $\lim_{x \to 0} (1/x - 1/x^2 + x)$ is _____

ANSWER _____

Understand It with Pulse | Flag a mistake

7 The value of $\lim_{x \to -1} x^2 - 1/x + 1$ is

A 0

B 2

C -2

D does not exist

Understand It with Pulse | Flag a mistake

8 The value of $\lim_{x \to -\infty} 2x^3 + x/x^2 - 4$ is

A ∞

B 2

C 0

D -∞

Understand It with Pulse | Flag a mistake

9 The value of $\lim_{x \to 2} (3x^2 - x - 2)$ is

A 6

B 8

C 10

D 4

Understand It with Pulse | Flag a mistake

10 The value of $\lim_{x \to 0^-} x/|x|$ is

A 1

B 0

C does not exist

D -1

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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