PRINCE EDWARD ISLAND CALCULUS 12 · UNIT A

Limits and Continuity — Practice Test

Prince Edward Island Calculus 12 • 10 questions

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 as x approaches 5 of the quotient x² - 25 / x - 5 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The limit as x approaches 3 of x² + 1x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A function is continuous at a point when the limit equals**

- A zero
- B the derivative there
- C infinity
- D the function value there

Understand It with Pulse | Flag a mistake

4 **A jump discontinuity has**

- A a hole only
- B different left and right limits
- C equal left and right limits
- D no left limit

Understand It with Pulse | Flag a mistake

5 **A limit describes the value a function**

A approaches

B equals at every point

C never reaches

D takes at zero only

Understand It with Pulse | Flag a mistake

6 **The squeeze theorem is used when a function is**

A discontinuous

B a polynomial

C trapped between two functions with the same limit

D a straight line

Understand It with Pulse | Flag a mistake

7 **The limit as x approaches 6 of the quotient $x^2 - 36 / x - 6$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **The limit as x approaches 6 of $x^2 + 1x$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **The limit as x approaches 9 of the quotient $x^2 - 81 / x - 9$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **The limit as x approaches 2 of $x^2 + 3x$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	10	**5.**	A	**9.**	18
2.	12	**6.**	C	**10.**	10
3.	D	**7.**	12		
4.	B	**8.**	42		

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