PRINCE EDWARD ISLAND CALCULUS 12 · UNIT C · 5 QUESTIONS

Applications of Derivatives — Practice Test

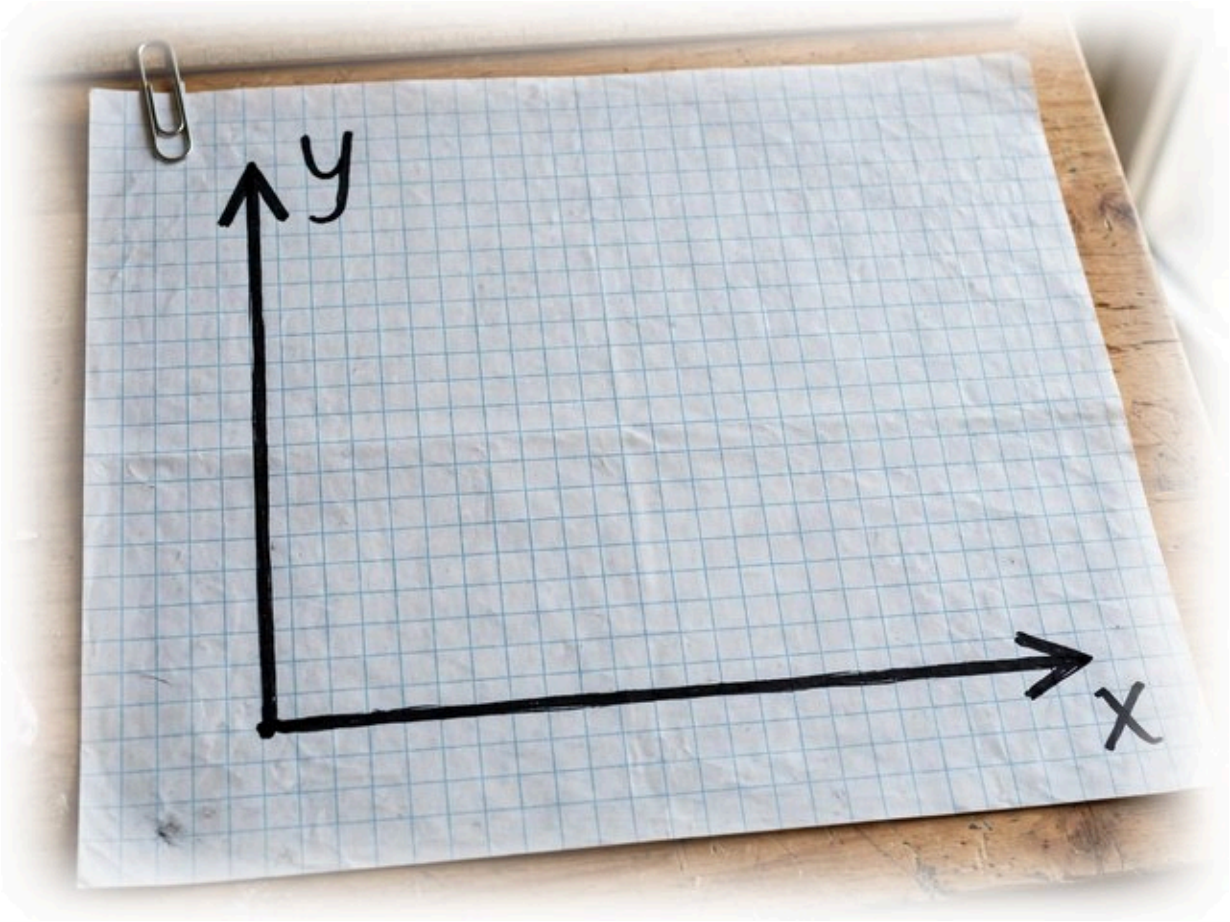
This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **For position $s = t^2$ metres , the velocity at time $t = 4$ seconds in metres per second is**

ANSWER

Understand It with Pulse | Flag a mistake

2 **A coordinate grid with bold x and y axes on graph paper. The critical point of $y = x^2 + 2x + 3$ has x coordinate**



ANSWER

Understand It with Pulse | Flag a mistake

3 **The maximum value of negative $x^2 + 9$ is**

ANSWER

Understand It with Pulse | Flag a mistake

4 **The maximum value of negative $x^2 + 4x + 1$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **The slope of the tangent to $y = x^3$ at $x = 2$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 8
2. -1
3. 9
4. 5
5. 12

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