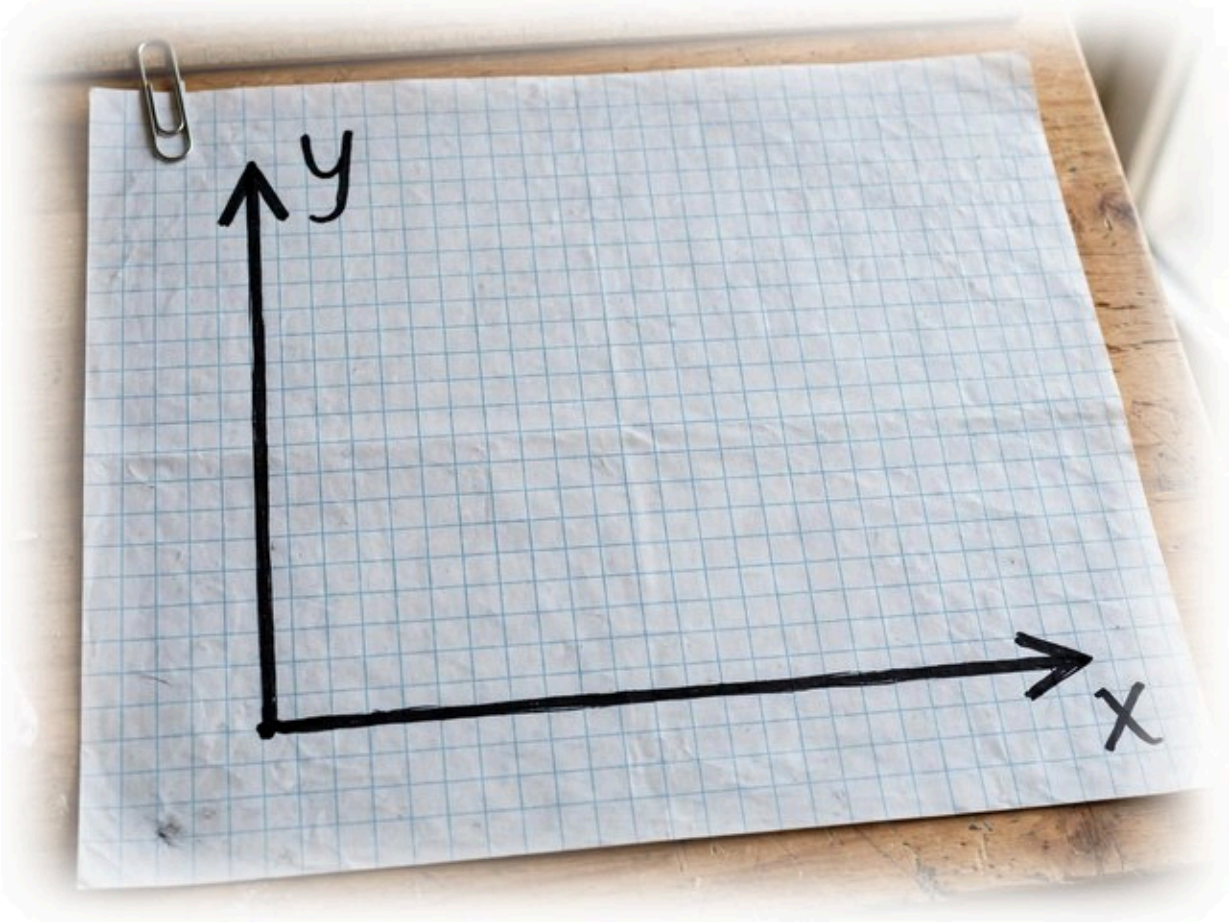
NEWFOUNDLAND AND LABRADOR MATHEMATICS 3208 · UNIT C · 5 QUESTIONS

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 **If $f(x) = x^3 - 3x$, then the critical points have x coordinates whose sum is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **A rectangle has perimeter 40 metres. Its maximum area is, in m²**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **If f(x) = -x² + 6x , then the maximum value is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **If f(x) = x² - 4x + 3 , then the minimum value is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **If C(x) = x² + 10x + 100 , then C'(5) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 0
2. 100
3. 9
4. -1
5. 20

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