MAXIMUM AND MINIMUM VALUES AND OPTIMIZATION - PRACTICE TEST | NEW BRUNSWICK CALCULUS 120 · UNIT C · 5 QUESTIONS

Maximum and Minimum Values and Optimization — 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 $f(x) = x^3 - 5x^2$, the value of f at x = 3 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **For $f(x) = x^3 - 6x^2$, the value of f at x = 3 is**

ANSWER _____

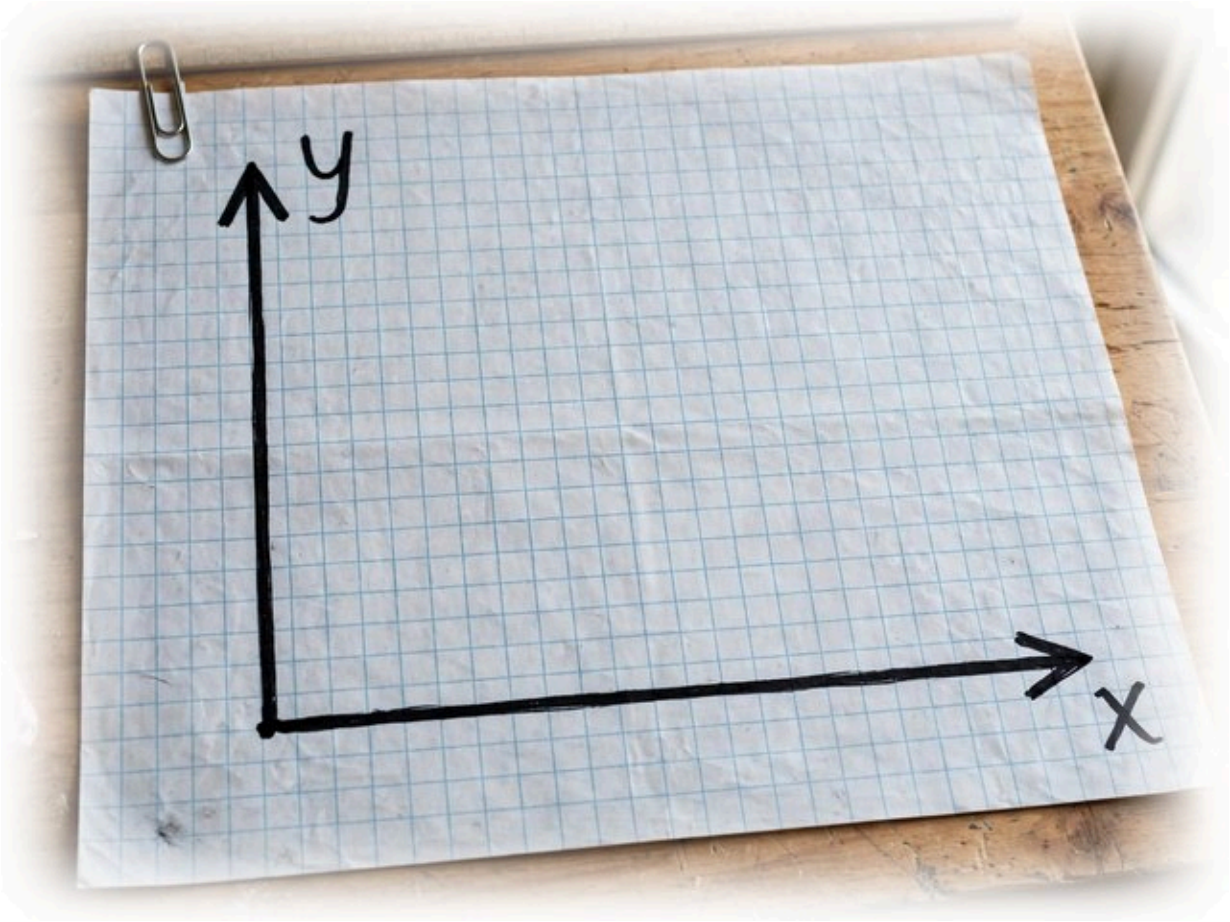
Understand It with Pulse | Flag a mistake

3 **For $f(x) = x^3 - 7x^2$, the value of f at x = 3 is**

ANSWER _____

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4 **A coordinate grid shows x and y axes. For $f(x) = -x^2 + 4x$, the derivative at the maximum point is**



ANSWER

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5 **For $f(x) = -x^2 + 6x$, the derivative at the maximum point is**

ANSWER

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ANSWER KEY

1. -18
2. -27
3. -36
4. 0
5. 0

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