SASKATCHEWAN CALCULUS 30 · UNIT D · 5 QUESTIONS

Optimization and Related Rates — 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 **A rectangular garden has area 196 m² and is a square. Its perimeter, in metres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Two numbers differ by 24. Their minimum possible product is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Two numbers differ by 36. Their minimum possible product is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Two numbers sum to 20. Their maximum possible product is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **Two students at a desk comparing two open books side by side. A square sheet of side 30 cm has squares cut from its corners to form an open box. The cut size that maximizes volume, in centimetres, is**



ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 56
2. -144
3. -324
4. 100
5. 5

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