SASKATCHEWAN CALCULUS 30 · UNIT C

Curve Sketching with Derivatives — Practice Test

Saskatchewan Calculus 30 • 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 **For $f(x) = x^2 + 4x$, the critical point occurs at x =**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **For $f(x) = x^2 - 8x + 5$, the minimum value of the function is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **For $f(x) = x^2 + 18x$, the critical point occurs at x =**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **For $f(x) = x^3 - 192x$, the critical points occur at $x = \pm$**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **For $f(x) = x^2 - 18x$, the critical point occurs at $x =$**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **For $f(x) = x^3 - 48x$, the critical points occur at $x = \pm$**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **For $f(x) = x^2 - 10x + 5$, the minimum value of the function is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **For $f(x) = x^2 - 12x + 5$, the minimum value of the function is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **For $f(x) = x^2 - 10x$, the critical point occurs at x =**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **For $f(x) = x^2 - 16x$, the critical point occurs at x =**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	-2	**5.**	9	**9.**	5
2.	-11	**6.**	4	**10.**	8
3.	-9	**7.**	-20		
4.	8	**8.**	-31		

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