NEWFOUNDLAND AND LABRADOR MATHEMATICS 2201 · UNIT D · 5 QUESTIONS

Quadratic Functions — 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 tree trunk with roots spreading deep into dark soil. Think about the idea. The number of real roots of $1x^2 + 2x + 3 = 0$ is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **Recall the idea. The parabola shown has vertex (2, -3). Its minimum value is**

- **A** 2
- **B** -3
- **C** 3
- **D** 0

Understand It with Pulse | Flag a mistake

3 **The positive root of $x^2 = 49$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Consider the idea in general. The maximum value of $y = -x^2 + 6x + 5$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **Review the idea. If a quadratic opens upward, its vertex is a**

A minimum

B maximum

C y intercept

D axis of symmetry

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 0
2. B
3. 7
4. 14
5. A

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