

JUSTIFIED TRUE OR FALSE - MATH

Decide if each statement below is true or false and provide your reasoning.

| Statement | T | F | Explain Your Reasoning |
|---|---|---|------------------------|
| Quadratic equations always have 2 real solutions. | | | |
| When solving a quadratic equation, the quadratic formula is a method that will always work. | | | |
| The solutions of a quadratic equation are also known as roots, zeros, and x-intercepts. | | | |

Student Responses

| Statement | T | F | Explain Your Reasoning |
|--|---|---|---|
| Quadratic equations always have 2 real solutions. | | X | The degree of a quadratic is 2, so there are always 2 solutions. |
| When solving a quadratic equation, the quadratic formula is a method that will always work. | X | | The quadratic formula always works unlike factoring or completing the square. |
| The solutions of a quadratic equation are also known as roots, zeros, solutions, and x-intercepts. | X | | Those all mean the same thing. They are also called vertices. |

Reflection

What does this information tell you?

What could you do with this information?