**Unit 2: Quadratic Functions and Equations Check Point**

Use the *Check Point* to check and reflect before completing the *Test Your Understanding Quiz* for

*Unit 2: Quadratic Functions and Equations*.

I understand how to:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Unit 2* Concepts** | | Place a checkmark in the appropriate column | | |
|  | | **Yes** | **No** | **Maybe** |
| Analyze quadratic functions in the vertex form with regards to | * Vertex * Domain and Range * Direction of opening * Axis of symmetry * *x*- and *y*-intercepts |  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| Factor trinomials | |  |  |  |
| Factor difference of squares binomials | |  |  |  |
| Analyze quadratic functions in standard form with regards to | |  |  |  |
| * Vertex * Domain and Range * Direction of opening * Axis of symmetry * *x*- and *y*-intercepts | |  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| Convert from standard form to vertex form by completing the square | |  |  |  |
| Solve quadratic equation/function problems using | |  |  |  |
| * Technology * Factoring * Completing the Square * Quadratic Formula | |  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| Determine the number of roots of a quadratic equation using the discriminant | |  |  |  |

If you have any concerns from the *Check Point*, please refer to *Enhance Your Understanding* for designated practice questions and their solutions to help you improve your skills.

Contact your teacher for assistance and clarification as needed.

You have completed *Unit 2: Quadratic Functions and Equations*. Please continue with *Unit 3: Radicals*.

Complete the *Test Your Understanding Quiz* when you have reviewed the feedback provided by your marker for your *Unit 2 Assignments.*