**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.*