**CCHS Mathematics II**

**Structure of Expressions**

**Module 2 - Assessment Study Guide**

Define the following Mathematical Terms

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| --- | --- | --- | --- |
| Linear Function | Exponential Function | Quadratic Functions | Inductive Reasoning |
| Expressions | Recursive Functions | Explicit Functions | Deductive Reasoning |
| minimum | maximum | Vertex form | Factored Forms |
| x-intercept | y-intercept | Axis of symmetry | Standard Form |
| Parabola | Perfect square trinomials |  |  |
|  |  |  |  |

Understand the following Tasks

1. Match the quadratic graph to its equation.
2. Complete the perfect square of a trinomials.
3. Find the x-intercepts of a quadratic.
4. Find the y-intercept of a quadratic.
5. Write the quadratic in vertex form.
6. Write the quadratic in factored form.
7. Write the quadratic in standard form.
8. Find the vertex of a quadratic.
9. Find the minimum or maximum of a quadratic.
10. Find and identify the axis of symmetry.
11. Identify a quadratic with one, two, or zero intercepts.