**CCHS Mathematics II**

**Quadratic Equations**

**Module 3 - Assessment Study Guide**

Define the following Mathematical Terms

|  |  |  |  |
| --- | --- | --- | --- |
| Zero exponent | Negative exponent | Radical form | Exponential function |
| Exponential Expressions | Zero exponent  | Roots  | Solutions |
| minimum | maximum | Vertex form | Factored Forms |
| x-intercept | y-intercept | Axis of symmetry | Standard Form |
| Parabola | Perfect square trinomials | Imaginary#’s i | Whole numbers |
| integers | Quadratic | complex | rational |



<http://myhandbook.info/pics/math/class-numbers.gif>

Understand the following Tasks

1. Identify the fastest method for factoring a quadratic equation.
2. Prove AZero = 1.
3. Prove A-1= 1/A.
4. Solve imaginary numbers raised to different formulas.
5. Identify whether a number is a whole numbers, integers, rational, and complex numbers.
6. Complete the square of a quadratic
7. Factor a quadratic.
8. Use Quadratic Equation.