**CCHS Mathematics I**

**Module 1 Assessment Study Guide**

Define the following Mathematical Terms

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| Slope | Addition Property of Equality | Graph 2x + 3y = 12 | Transform Equations  Solve for variable |
| Rate of Change | Multiplication Property of Equality | Graph x > 4 | Order of Operations |
| Slope-Intercept Form  y = mx +b | Subtraction Property of Equality | Graph X < -5 | Inequality |
| Standard Form  Ax + By = C | Division Property of Equality | Expression | Unit Operations |
| Distributive Property | Graph y= mx+ b | Equivalent | At least, at most, |

Understand the following Tasks

1. Identify the slope of a line from a graph.
2. Match an equation to a graph of a linear equation in slope-intercept and standard form.
3. Graph an inequality on a number line.
4. Understand the order of operations.
5. Use distributive property to solve an equation /inequality.
6. Write an equation for an inequality given a graph on the number line.
7. Write an equation of a linear equation given a graph on a coordinate plane.
8. Rewrite an equation from standard to slope-intercept form.
9. Add, multiply and divide using units of measure.
10. Be able to explain (justification) for each step when solving an equation/inequality.
11. Perform matrix addition and multiplication using 2 x 2, 2 X 3, and 3 X 2 matrices.