**CCHS Mathematics I**

**Module 2 Assessment Study Guide**

Define the following Mathematical Terms

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| Slope | y-Intercept | Graph 2x + 3y = 12 | Transform Equations  Solve for variable |
| Cramer’s Rule | Solutions to linear equations | Elimination Method | System of Equations |
| Slope-Intercept Form | Solutions to linear inequality | Use Matrix to solve system of equations | System of Inequality |
| Standard Form | Substitution Method | Linear Equation | No Solution |
| X- Intercept | Graph y= mx+ b | Linear Inequality | Infinite Solutions |

Understand the following Tasks

1. Identify the slope of a line from a graph.
2. Recognize and understand the slope-intercept form of a linear equation (y=mx + b).
3. Recognize and understand the standard form of a linear equation. (ax + by=c)
4. Determine the y-intercept of a linear equation.
5. Determine the x-intercept of a linear equation.
6. Determine if a point is a solution of a system of linear equations
7. Determine if a point is a solution of a system of linear inequalities.
8. Write an equation for an inequality given a graph on the number line.
9. Write an equation of a linear equation given a graph on a coordinate plane.
10. Convert an equation from standard form to slope-intercept form.
11. Convert an equation from slope-intercept to standard form.
12. Match a system equation set to a graph on the coordinate plane. Graph a linear equation and linear inequality.
13. Graph a system of equations (linear equality and linear inequality).
14. Use matrix row reduction or Cramer’s rule to solve a system of linear equations.