**CCHS Mathematics III**

**Credit 2A Assessment Study Guide**

Define the following Mathematical Terms

|  |  |  |  |
| --- | --- | --- | --- |
| Log arithmetic forms | y-Intercept | Graph 2x + 3y = 12 | Solve logarithmic expressions |
| Log arithmetic expression | Simplified version | Inverse Functions | System of Equations |
| Expanded form of a Logarithm | Solutions to linear inequality | Graph Exponential Functions | System of Inequality |
| Rules of Exponents | quotient | Graph Linear Equation | Estimate Log function values |
| Logarithmic properties | Graph y= mx+ b | Graph Linear Inequality | product |

Understand the following Tasks

1. Evaluate Logarithmic expressions.
2. Use Logarithmic properties of multiplication (product) to expanded form.
3. Use Logarithmic properties of multiplication (quotient) to expanded form.
4. Use knowledge logarithmic properties to solve for x
5. Use the rules of exponents to simplify exponential expressions.
6. Write a inverse function of an exponential expression
7. Write an inverse of a logarithmic function.
8. Solve logarithmic functions
9. Estimate logarithms without a calculator.
10. Recognize and understand the standard form of a linear equation. (ax + by=c)
11. Graph a logarithmic function
12. Graph an exponential function