**CCHS Mathematics III**

**Credit 4B Assessment Study Guide**

Define the following Mathematical Terms

|  |  |  |  |
| --- | --- | --- | --- |
| Translation left or right | Translation down or up | Trig functions | Exponential function |
| Natural Logarithm | Composite function | Arithmetic Operations | Vertical asymptotes |
| solution | denominator | Logarithmic function | Radical function |
| DNE | Inside operation | Vertical stretch | Composite function graphs like are Pyramid |
| Trigonometric ratios | amplitude | Absolute function Graph | Vertical asymptotes |
| Viable inputs | Considered version | Greatest value | Function shift right or left |
| Graph sin (x), cos (x), tan (x) | Graph absolute value of a trig function | Graph Square Root function | asymptotes |

Understand the following Tasks

1. Match equation with descriptions of transformations.
2. Construct and annotate a triangle given trig ratios.
3. Evaluate exponential function.
4. Evaluate logarithmic function.
5. Evaluate a rational function.
6. Evaluate a trigonometric function.
7. Evaluate the inverse trigonometric function.
8. Evaluate an absolute value function.
9. Simplify composite functions using arithmetic operations.
10. Rewrite functions using transformations.
11. Identify and find the greatest values of a function.
12. Identify and write equations for vertical asymptotes for a radical function.
13. Identify and write equations for vertical asymptotes for a trigonometric function.
14. Identify the features and characteristics of a composite absolute value trig function.

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