**CCHS Mathematics III**

**Credit 3B Assessment Study Guide**

Define the following Mathematical Terms

|  |  |  |  |
| --- | --- | --- | --- |
| version | function | period | Odd function |
| Even function | Sector area | Arc length | radius |
| diameter | triangle | Central angle | Angle measure |
| Sin | Cos | Tan | Square Pyramid |
| Trigonometric ratios | amplitude | Phase shift | Vertical shift |
| period | Polar coordinates | radians | degrees |
| coterminal | Positive angle | Negative angle | asymptotes |

Understand the following Tasks

1. Construct and annotate a triangle given trig ratios.
2. Write the equation of a trig function given a graph.
3. Mark the amplitude of a trig function on a graph.
4. Identify the amplitude of a trig function.
5. Identify the phase shift from an equation of a trig function.
6. Identify the vertical shift from an equation of a trig function.
7. Identify the period of a trig function.
8. Identify an angle in a quadrant.
9. Identify a radian in a quadrant.
10. Write the polar coordinates for a point.
11. Graph the tangent function and identify the asymptotes.
12. Use Heron’s Formula to find the area of a triangle.