Learning Outcomes for Math 12001

**Learning Outcomes for** MATH-12001

**Knowledge**

The students should demonstrate a rigorous understanding of elementary functions, including polynomial, exponential, logarithmic, and periodic types. Solve problems in algebra and trigonometry and be able to apply mathematical techniques associated with multi-step problems.

**Comprehension**

Should be able to understand the notions of trigonometry related to four trigonometric functions, and their inverses, as well as as the notions from algebra for calculus.

**Application**

The main and most important application is to solve many different problems related to the subject.

**Analysis**

Should be able to solve trigonometric inequalities, simplify trigonometric expressions, analyze the data of “mixed” (trigonometric and algebraic) origin.

**Synthesis**

Should be ready for taking Calculus courses.

**Evaluation**

Should complete homeworks, pass midterm tests and a final exam.

**Class Activities**

To solve problems in class and discuss theorems.

**Out of class Activities**

To submit homework assignments.