QU-PLACER MATH TEST DESCRIPTORS

Level	Specific Descriptors
Exempted from the Pre-Calculus course and placed into Calculus I (MATH101)	Students are capable of: • Solving linear, quadratic, and equations involving radicals or absolute values • Identifying a function, its domain and range, perform the main five operations on them and recognize its properties algebraically • Recognizing the main properties of functions through their graphs • Using different techniques to graph /recognize basic functions and logarithmic and trigonometric functions • Solving exponential and logarithmic equations • Manipulating expressions and solve equations involving logarithms and exponents • Finding/ graphing the inverse of different types of functions • Solving triangles • Recognizing and using trigonometric identities in solving trigonometric questions
Exempted from the Elementary Algebra Course and placed into Pre-Calculus (MATH P100)	Students are capable of: • Classifying numbers and simplifying algebraic expressions (rational and radical) and identifying their domain • Manipulating exponents and rational expressions • Performing operations on polynomials including use of special products • Mastering different techniques of factoring algebraic expressions • Solving equations and inequalities: rational, radical, and absolute value • Computing distance and midpoint between two points • Applying the Pythagorean theorem • Graphing a line given its equation or given two points and point and slope or vice-versa
Placed into Elementary Algebra (MATH021)	Students are capable of: • Performing basic operations on simple arithmetic and algebraic expressions • Solving simple linear equations and inequalities. • Using basic factoring techniques • Recognizing basic information about and from a graph of linear equations