Assessment objectives for the Chapter 1 Exam.

There are 16 Questions on the Exam

- The student will be able to determine whether a relation is a function by looking at ordered pairs, sets, graphs or equations.
- The student will be able to determine whether a function is Even, Odd or Neither.(1)
- The student will be able to create an odd or even function, justify why the function is even or odd, and determine the symmetry of the function. (1)
- The student will be able to evaluate a function. (example, given f(x), the student can find f(3), f(x-2) and so forth.) (2)
- The student will be able to find the equation of a line given two points on the line.
- The student will be able to find the slope of a line.
- The student will be able to determine the slopes if parallel or perpendicular lines. (1)
- The student will be able to find the average rate of change.
- The student will be able to find the domain of radical and rational functions. (2)
- The student will be able to find the difference quotient of a polynomial. (1)
- The student will be able to simplify a rational expression by factoring polynomials and reducing.
- The student will be able to graph the transformation of a function f(x). (2)
- The student will be able to find the x and y intercepts of a quadratic function. (1)
- The student will be able to find the x and y intercepts of an absolute value function.
- The student will be able to find the x and y intercepts of a radical function.
- The student will be able to perform basic function operations (addition, subtraction, multiplication, division, and composition) (4)
- The student will be able to find the inverse of a function. (2)
- The student will be able to graph the inverse of a function.
- The student will be able to complete a table of values for a linear function. (1)