

TEXAS STANDARDIZED CURRICULUM FRAMEWORK
Adult Secondary Education (G.E.D.) _____ **Mathematics** _____ **LCP** **R** _____

Student Name: _____ Student ID Number: _____

Entry Date: _____ Completion Date: _____

The student is able to ...

Standard 5.01 Perform basic operations with whole numbers	
Date: _____ Instructor: _____	
5.01.1	Associates verbal names, written word names and standard numerals with integers, rational numbers, irrational numbers, and real numbers.
5.01.2	Understands the relative size of integers, rational numbers, irrational numbers, and real numbers
5.01.3	Understands concrete and symbolic representations of real and complex numbers in real-world situations

Standard 5.02 Perform basic operations with fractions	
Date: _____ Instructor: _____	
5.02.1	Understands that numbers can be represented in a variety of equivalent forms, including fractions

Standard 5.03 Perform basic operations with decimals	
Date: _____ Instructor: _____	
5.03.1	Adds and subtracts decimals
5.03.2	Multiplies and divides decimals
5.03.3	Uses estimations for problem solving
5.03.4	Understands that numbers can be represented in a variety of equivalent forms, including decimals

Standard 5.04 Perform basic operations with percents	
Date: _____ Instructor: _____	
5.04.1	Identifies percents
5.04.2	Changes percents to fractions and decimals
5.04.3	Identifies and uses percents in word problems
5.04.4	Understands that numbers can be represented in a variety of equivalent forms, including percents

Standard 5.05 Apply concepts and solves problems regarding the use of measurements, both standard and metric	
Date: _____ Instructor: _____	
5.05.1	Understands and uses the basic concepts of limits of infinity
5.05.2	Understands and uses the real number system
5.05.3	Uses concrete and graphic models to derive formulas for finding rate, distance, time, angle measures, and arc lengths

Standard 5.06 Apply basic principles of algebra, including ratio & proportion, signed numbers, basic equations, multi-step algebraic word problems, & the use of algebraic formulas	
Date: _____ Instructor: _____	
5.06.1	Determines the impact when changing parameters of given functions.
5.06.2	Represents real-world problem situations using finite graphs, matrices, sequences, series, and recursive relations
5.06.3	Understands the structure of the complex number system

Standard 5.07 Apply basic principles of geometry, including the use of geometry formulas in area, perimeter, and volume	
Date: _____ Instructor: _____	
5.07.1	Solves real world and mathematical problems involving estimates of measurements, including length, time, weight/mass, temperature, money, perimeter, area, and volume and estimates the effects of measurement errors on calculations
5.07.2	Uses properties and relationships of geometric shapes to construct formal and informal proofs

TEXAS STANDARDIZED CURRICULUM FRAMEWORK
Adult Secondary Education (G.E.D.) _____ **Mathematics** _____ **LCP** **R** _____

Student Name: _____ Student ID Number: _____

Entry Date: _____ Completion Date: _____

The student is able to ...

Standard 5.08 Operate a scientific calculator	
Date: _____ Instructor: _____	
5.08.1	Adds, subtracts, multiplies, and divides real numbers, including square roots and exponents, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator
5.08.2	Understands that numbers can be represented in a variety of equivalent forms, including integers, fractions, decimals, percents, scientific notation, exponents, radicals, absolute value, and logarithms

Standard 5.09 Apply mathematical principles to workforce and life situations	
Date: _____ Instructor: _____	
5.09.1	Develops a personal business budget
5.09.2	Develops a financial plan
5.09.3	Develops a cash flow projection
5.09.4	Reconciles income and expense accounts
5.09.5	Completes simple tax forms
5.09.6	Evaluates insurance costs and benefits
5.09.7	Calculates retirement/investment benefits

Standard 5.10 Interpret and analyzes tables, charts, and graphs	
Date: _____ Instructor: _____	
5.10.1	Interprets data that has been collected, organized, and displayed in tables, plots, simple graphs, and charts
5.10.2	Analyzes real world data and makes predictions of larger populations by applying formulas