

FULTON HIGH SCHOOL
2015-2016 PACING GUIDE
PRECALCULUS

FIRST SEMESTER

1ST QUARTER

Unit 1: POLYNOMIAL AND RATIONAL FUNCTIONS

Lesson: Quadratic Functions and Models

Lesson: Polynomial Functions of Higher Degree

Lesson: Polynomial and Synthetic Division

Lesson: Complex Numbers

Lesson: Zeros of Polynomial Functions

Lesson: Rational Functions

Assessments: Graded Homework, Graded Notebook, Quizzes follow each lesson, Unit Tests (Vocabulary, equation solving and problem solving)

Unit 2: EXPONENTIAL AND LOGARITHMIC FUNCTIONS

Lesson: Exponential Functions and Their Graphs

Lesson: Logarithmic Functions and Their Graphs

Lesson: Properties of Logarithmic Equations

Lesson: Exponential and Logarithmic Equations

Lesson: Exponential and Logarithmic Models

Assessment: Graded Homework, Graded Notebook, Quizzes follow each lesson, Unit Tests (Vocabulary, equation solving and problem solving)

Unit 3: Trigonometry

Lesson: Radian and Degree Measure

Lesson: Trigonometric Functions: The Unit Circle

Lesson: Right Triangle Trigonometry

Lesson: Trigonometric Functions of Any Angle

Assessment: Graded Homework, Graded Notebook, Quizzes follow each lesson, Unit Tests (Vocabulary, equation solving and problem solving)

2nd Quarter

Unit 4: TRIGONOMETRY

Lesson: Graphs of Sine and Cosine Functions

Lesson: Graphs of Other Trigonometric Functions

Lesson: Inverse Trigonometric Functions

Lesson: Applications and Models

Assessment: Graded Homework, Graded Notebook, Quizzes follow each lesson, Unit Tests (Vocabulary, equation solving and problem solving)

Unit 5: ANALYTIC TRIGONOMETRIC

Lesson: Using Fundamental Identities

Lesson: Verifying Trigonometric Identities

Lesson: Solving Trigonometric Equations

Lesson: Sum and Difference Formulas

Lesson: Multiple Angle and Product to Sum Formulas

Assessment: Graded Homework, Graded Notebook, Quizzes follow each lesson, Unit Tests (Vocabulary, equation solving and problem solving)

Unit 6: LIMITS AND INTRODUCTION TO CALCULUS

Lesson: Introduction to Limits

Lesson: Techniques for Evaluating Limits

Lesson: The Tangent Line Problem

Lesson: The Limits at Infinity and Limits of Sequences

Assessment: Graded Homework, Graded Notebook, Quizzes follow each lesson, Unit Tests (Vocabulary, equation solving and problem solving)