

Trinity Christian Academy
Math For College Readiness
Mr. Robbins
Room J209
robbins.dan@tcamail.org
Office hours: Tuesday/Thursday: 3:40 - 4:00

Course Description:

In Math For College Readiness, we will be covering a variety of topics. Each chapter will consist of homework, quizzes, one or two chapter tests, activities, and projects, which will be worth either a homework, quiz or test grade based on the level of difficulty.

This course includes a study of quadratic functions, polynomials, polynomial functions, rational exponents, radical functions, exponential functions, logarithmic functions, rational functions, systems of equations, matrices, determinants, vectors, parametric equations, polar coordinates, probability, sequences, series, quadratic relations, conic sections, partial fractions, trigonometric ratios, trigonometric functions, trigonometric graphs, and trigonometric equations.

Prerequisites:

Algebra 1, Algebra 2, and Geometry

Major Topics or Themes to be Covered by Chapter:

Chapter P: Prerequisites
Chapter 1: Equations, Inequalities, and Mathematical Modeling
Chapter 2: Functions and Their Graphs
Chapter 3: Polynomial Functions
Chapter 4: Rational Functions and Conics
Chapter 5: Exponential and Logarithmic Functions
Chapter 6: Systems of Equations and Inequalities
Chapter 7: Matrices and Determinants
Chapter 8: Sequences, Series, and Probability

Turnitin.com:

Students will be required to complete, at least, one writing assignment per quarter. All writing assignments will be submitted through turnitin.com.

Class ID: 15872136
Password: MathRead

Projects:

Quarter 1: Mathematical Modeling

Quarter 2: Mortgage

Quarter 3: Mandelbrot Set

Quarter 4: Sequences and Series Art Project

Class Rules/Policies:

Students will be expected to follow any/all rules set by Trinity Christian Academy found in the student handbook. Any infractions of the rules and/or procedures will result in a predetermined consequence.

- 1) Be prepared for class and in seat 30 seconds after bell.
- 2) Be attentive always during class.
- 3) Cell phones allowed only when permitted.
- 4) No food in class (especially gum).

Grading:

Grading weights for Math for College Readiness are: 50% for tests, 35% for quizzes, and 15% for homework and daily work.

Required Supplies:

- Pens or pencils
- Loose leaf graph paper
- Loose leaf college rule paper
- 1 subject college rule notebook
- Scientific calculator (recommended: TI-30) or graphing calculator