📘 Algebra 1B Syllabus

Ms. Amy Ganaden

Supplies needed daily: Book (issued), a notebook to hold note pages & assessments, pencil, paper (graph or regular) and a TI-30X calculator

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✏️ Assessments

- Quizzes and tests (points will vary)
- Final exam at Semester (15% of total grade)
- Homework (3 points for completion and effort)
- Projects (50 points with 1 each semester)

Important note: If you miss a test, you will have 5 school days to get the test made-up.

Motto: To restore all things in Christ!

Mission: St. Pius X School builds a foundation in faith, academic excellence, and lifelong learning, partnering with families to enhance Catholic morals and authentic truth for the greater glory of God.

In Algebra 1B, students will review the concepts covered in 1A before continuing with the remainder of the algebra curriculum. Upon completion of the course, students will be ready to move to Geometry the following year.

Here's a breakdown of the **essential skills learned:**

Exponents and Exponential Functions

- Zero and Negative Exponents
- Scientific Notation
- Multiplication& Division Properties of Exponents
- Geometric Sequences
- Exponential Functions
- Exponential Growth & Decay

Polynomials and Factoring

- Adding & Subtracting Polynomials
- Multiplying Binomials
- Factoring
    - GCF
    - Trinomials
    - Special Cases & Grouping

Quadratic Equations and Functions

- Exploring Quadratic Graph
- Understanding the Discriminate
- Solving Quadratics
    - Factoring
    - Completing the Square
    - Quadratic Formula

Radical Expressions and Equations

- Simplifying radicals
- Operations with radical expressions
- Solving radical equations
- Graphing Square Root Functions
- Trigonometry Ratios
- Angles of Elevation and Depression
- Dividing Polynomials