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Algebra I (H)
Course Syllabus
Amy Ganaden

Our Mission: " Restore All Things In Christ" Pope Pius X

St. Pius X High 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.

Course Text: Pearson, Prentice Hall Mathematics Algebra I

Supplies: text, notebook, loose leaf, pencil, marking pen, highlighter, graph paper, scientific calculator, and a box of Kleenex.

Goals and Objectives: One of the goals of this course is to learn to communicate about algebra by reading and writing information about it. The student will also learn to systematically solve problems of the types listed below as topics. Algebraic and arithmetic skills will be applied to real-life algebra models as students learn to approach word problems with logical problem-solving strategies.

Topics:

- **Numbers, operations, variables and exponents**
- **Equations and Inequalities**
- **Verbal Models and Algebraic**
- **Models for Problem-Solving Strategies**
- **Matrices**
- **Real Numbers and their Properties**
- **Solving Linear Equations**
- **Graphing Linear Equations**
- **Slope of a Line**
- **Absolute Value Equations and Graphs**
- **Writing linear equations**
- **Solving and graphing linear inequalities**
- **Solving systems of linear equations**
- **Powers and Exponents**
- **Quadratic Equations and their graphs**
- **Polynomials**
- **Factoring**
- **Ratio and Proportion**
- **Simplifying radicals**
- **Solving systems of linear equations**
- **Exponential Equations and Graphs**

Essential Skills:

1. **Solve linear equations and inequalities.**
2. **Graph linear equations and inequalities.**
3. **Write linear equations.**
4. **Solve systems of linear equations.**
5. **Apply rules for powers.**
6. **Factor polynomials**
7. **Solve quadratic equations.**
8. **Solve ratios and proportions.**
9. **Graph exponential equations.**
10. **Use problem solving strategies to approach word problems.**

Rules and Procedures:

- Come to class prepared with text, paper, pencil, and agenda. YOUR AGENDA IS YOUR PASS TO LEAVE THE ROOM SO PLEASE HAVE IT WITH YOU!

- Bottled water is allowed in the classroom

- I will use Google Classroom to post assignments and make announcements.

- You have a day to make up work for every day missed. I will adhere to the school handbook policy on absences. You can have 10 absences during the year and have ”make up privileges" but on the 11th absence you will receive a 0 for any work done during your absence. If you miss a test, you will have 5 class days to get it made up.

- Notes will be given out when a new concept is introduced. You will want to keep these notes pages organized in a folder.

- Assignments will be given almost daily and completed on loose leaf. Homework will be collected daily and scored on a three point scale on completion and effort.

Absolutely No Cell Phones in class!

Code of Behavior……

Be respectful to your fellow classmates and to your teacher. Enjoy the process of learning. Engage!

Points awarded…….

Homework → 3 points graded on completion and effort
Quizzes & Tests → Points vary
Break Week Projects → 50 points (one per semester)
The final exam will be worth 15% of your grade

To be successful in this course……..

1. Add to your note pages and follow along.
2. Do assigned homework.
3. Ask questions and get help.
4. Study early when preparing for a test. Don't cram the night before.

The following scale will be used to calculate your grade for the course.

100 - 94	**A**	**72 – 70**	**C-**
93 - 90	**A-**	**69 – 67**	**D+**
89 - 87	**B+**	**66 – 63**	**D**
86 - 83	**B**	**62 – 60**	**D-**
82 - 80	**B-**	**59 – 0**	**F**
79 – 77	**C+**		
76 – 73	**C**		

Participation will be expected and will be used in determining borderline grades! Have a great year!!

Parent Signature: _____