P.S. 035 Manhattan High School
Course Code: MRS21QQB
Syllabus for: ALGEBRA II 1/2
Teacher Name: Pena
Year and Term: Fall 2020-2021

Learning Standards:

A-SSE Seeing Structure in Expressions NRN The Real Number System
A-CED Creating Equations
F-IF Interpreting Functions
F-BF Building Functions
A-REI Reasoning with Equations and Inequalities
A-APR Arithmetic with Polynomials & Rational Expressions NCN The Complex Number
System
F-LE Linear, Quadratic, & Exponential Models

Course Description:

Hello and welcome go the Algebra II Class. The Algebra II curriculum is an extension of Algebra
I and allows us to explore topics more in-depth, in addition to trigonometry.
Our studies will take us through the fundamentals of Algebra II and along the way we will
consistently hone our reasoning skills, model with mathematics, and solve real-world problems
involving all of the aforementioned topics. Every day is something new in store, so be prepared
to work hard.

This year is going to be unlike any before. With school being partially remote we are going to
make every effort to communicate clearly, and effectively and most importantly in a timely
manner. In that spirit my email is MPena20@manhattanhs.org. Every day is going to have
something new in store, so be prepared to work hard.

Calendar or Unit Map:

*1-3: Algebraic Expressions, *1-4: Solving Equations, *1-5: Solving Inequalities, *1-6:
Absolute Value Equations and Inequalities
*2-1: Relations and Functions, *2-3: Linear Functions and Slope-Intercept Form, *2-4:
More About Linear Equations, *2-6: Families of Functions, *2-7 Absolute Value Functions
and Graphs, *2-8 Two-Variable Inequalities
*3-2: Solving Systems Algebraically, *3-3: Systems of Inequalities, *3-4: Linear
Programming, *3-5: Systems With Three Variables,
*4-1: Quadratic Functions and Transformations, *4-2: Standard Form of a Quadratic
Function, *4-4: Factoring Quadratic Expressions, *4-5: Quadratic Equations, *4-6:
Completing the Square, *4-7: The Quadratic Formula, *4-8: Complex Numbers, *4-9:
Quadratic Systems
*5-1: Polynomial Functions, *5-2: Polynomials, Linear Factors, and Zeros, *5-3: Solving

Course Materials:

A notebook/binder
A pencil
A folder to keep homework and class worksheets

Grading Policy:

Tests & Quizzes (15%): Tests and quizzes are a way for me to check in and see if you really do understand the material.

Homework (40%): Homework is an important part of class because it is designed to reinforce what we are working on in class. You will be assigned homework throughout the week, which will be due the following class. In order to receive credit, you must show all of your work, including work that was done on the calculator. If you are absent, homework will be due when you come back.

Participation (30%): It is important that you actively engaged in your own learning, which means that you come to class on time, and prepared to work. That being said, in order to participate you must come to class/meetings. If you are regularly absent, that will have a negative effect on your grade.week.

Other Expectations:

If you are absent, you are responsible to getting the information that you missed. Upon return. It is also important to keep in contact with me at MPena20@manhattanhs.org.