

Algebra I with Ms. Lopez 2022-2023



What is this class about?

Algebra 1 is a full year algebra course. Algebra 1 is a fun course that covers all of the fundamentals that will be a part of the rest of the math you will ever do.

What will we cover?

1. Foundations of Algebra
2. Review of Linear Functions
3. Exponents and Exponential Functions - Properties of Exponents, writing exponential functions, growth/decay
4. Polynomials and factoring - Adding, subtracting, multiplying polynomials & factoring
5. Quadratic Functions - Axis of Symmetry, solving by graphing, factoring, completing the square or using the Quadratic Formula, Discriminant
6. Graphing - Transformation of functions by graphing & writing functions based on the transformation, Systems of nonlinear functions, piecewise functions
7. Statistics - Central tendency, Box Plot (Five number summary), Linear Regression, Correlation, Residual Plot

What is expected of me in class?

In order for our classroom to run smoothly and for all students to feel comfortable learning, there are a few things I need from you:

1. Come to class on time and prepared.
2. Be respectful to EVERYONE in our class.
3. Actively participate in class EVERY DAY.
4. Try your hardest and limit distractions.

If you choose to not meet these expectations, you are choosing to accept the consequences associated.

Materials

You are expected to come to class prepared every day. You should walk into math class daily with:

1. notebook/paper
2. Pencils & pen

Policies

Late Work- Turn stuff in on time and make up absent work in allotted time.

Passes- You must wait 5 minutes after class has started or if you were late to class, after you have arrived to ask for a pass (bathroom, nurse, counselor). Also, please do not ask for a pass the last 5 minutes of class.

Dismissal- You are expected to use all of your class time wisely. Do not line up at the door minutes before the class is over. You will not be dismissed early!

Daily Points- You are able to earn up to 5 points a day for the following:

Attendance, Behavior, Classwork/Participation

A = 1 , B = 2, P = 2 = **5 POINTS DAY/25 POINTS WEEK**

How will you be graded?

Classwork- 30%

Test & Quizzes – 20%

Homework – 10%

Participation – 20%

Daily Behavior -20%

Contact Info:

Teacher: Ms. Lopez

Paraprofessional: Ms. Fernandez

School Number: 212-247-4307 #306

Email: Plopez12@schools.nyc.gov

I have read and understand the policies and procedures of High School Algebra 1.

**Signing this document means that you are acknowledging that you have received the following syllabus and will adhere to all expectations and requirements for this class. Any time you do not adhere to the expectations and requirements can put you at risk of lowering your grade or failing the course.*

Student Signature

Date

Parent Signature

Date

How will you be graded?

