

MANHATTAN HIGH SCHOOL/P.35M

522 West 44th Street, New York, NY 10036

Telephone: (212) 465-4390

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MARTA BARNETT

Principal

Gavriel Berkovits
Assistant Principal

[Summer 2019] Ms. Jin's Algebra I (3/4,4/4) Course Code: MEF43/44QQB-__

Learning Standards:

| | |
|-----------------------------------|--|
| Number and Quantity | N-RN The Real Number System N-Q Quantities |
| Algebra | A-SSE Seeing Structure in Expressions A-APR Arithmetic with Polynomials and Rational Expressions A-CED Creating Equations A-REI Reasoning with Equations and Inequalities |
| Functions | F-IF Interpreting functions F-BF Building Functions F-LE Linear, Quadratic, and Exponential Models |
| Statistics and Probability | S-ID Interpreting Categorical and Quantitative Data S-IC Making Inferences and Justifying Conclusions S-CP Conditional Probability and the Rules of Probability |

Course Description:

As you can see above, Algebra I is associated with high school content standards within four conceptual categories: Number & Quantity, Algebra, Functions, and Statistics & Probability. Each conceptual category contains domains of related clusters of standards.

The key content involves writing, solving, and graphing linear and quadratic equations, including systems of two linear equations with two unknowns. Quadratic equations are solved by factoring, completing the square, graphically, or by application of the quadratic formula. The course also includes study of monomial and polynomial expressions, inequalities, exponents, functions, rational expressions, ratio, and proportion. Algebraic skills are applied in a wide variety of problem-solving situations.

Unit Overview:

- Review of Foundations for Algebra and Functions
- Exponents and Exponential Functions
- Polynomials and Factoring
- Quadratic Functions and Equations
- Data Analysis and Statistics
- Cumulative Review

Course Materials:

- 3-ring binder (Highly recommended but a separate math notebook would also work)
- Looseleaf papers
- 2 Pocket Folders
- Pencils
- Graphing Calculator (Will be provided to you. Please keep the calculator clean and in good shape)

Grading Policy:

Classwork/Participation (30%): For each day you are in class and not excused, you must participate by:

- Coming to the room on time, ready to work with all the materials listed in the course syllabus
- Engaging in the activities to the best of your ability as measured by completion of in-class assignments.

For each day, you earn a 10 (=100%) mark in participation. Please note that there is 1/2-point deduction for every lateness; **0 for use of cellphone** or any other electronic devices (unless you have a permission).

Unit Exam (20%) & Quizzes/Other Assessments (30%): After each assessment, you will have a chance to make up half of the credit you have missed by doing a test correction. One lowest QUIZ grade will be dropped per marking period. If you miss an exam and/or a quiz, please see me to schedule a makeup within a reasonable period of time, e.g, within next three days. *Also see below for make-up policy

Homework (20%): You will have short assignment on a daily basis (except before an assessment/major holidays). *See below for make-up policy.

As per the school grading policy, all grades will be numerical, with the exception of incomplete grades and students auditing the course. Any students who receive an incomplete will be given makeup work to complete by the term following the end of the course. This work will then be graded and averaged together with the work completed during the course to compose a final numerical grade.

Expectations and Procedures:

1. USE OF CELLPHONE OR ANY OTHER ELECTRONIC DEVICES ARE STRICTLY PROHIBITED. (See Grading Policy - Classwork/participation)
2. Keep the room clean.
3. Be responsible. Come to class on time with a positive attitude.
3. Be respectful to others; treat others how you want to be treated.
4. One person out of the classroom at a time.
5. Always put forth your best effort. Grades are achieved, not received.
6. Be polite and use proper language in class.
7. Look and listen during the lesson. Raise your hand if you need to speak.

***Make-up Policy:** Missed tests or quizzes should be made up immediately following the student's return to school with an excused absence note. Homework, classwork and all other assignments are to be handed in on the due date assigned by the teacher. Students are held responsible for reaching out to teachers if there is any foreseeable obstacle regarding an assignment before the due date. Late assignments are subject to incremental deductions as per the teacher's discretion and are accepted until the assignment is no longer relevant.

If you have any questions, concerns, and/or comments, feel free to email me at jjin3@schools.nyc.gov. We can also arrange a meeting during the school hour.

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Homework #0 -

Please sign and return this page to Ms. Jin by **Friday, July 5, 2019.**

I, _____, (student) have read and understand the
Last, First (Print)
requirements of this course.

Student Signature _____ Date: _____

Student's Email Address: _____

I, _____, (parent/guardian) have read and understand the
Last, First (Print)
requirements of this course.

In case of an emergency and/or any other concerns regarding my child, I can be reached at:

Phone Number: _____ Most convenient hour: _____
(example: After 5PM)

Email Address: _____

Parent/Guardian Signature: _____ Date: _____