

# MANHATTAN HIGH SCHOOL/P.35M

317 West 52nd Street, New York, NY 10019

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**MARTA BARNETT**

**Principal**

Gavriel Berkovits  
Assistant Principal

**[Spring 2018] Ms. Jin's Precalculus**

**Course Code: MPS22QQB-01**

## Learning Standards:

<b>Number and Quantity</b>	N-CN The Complex Number System N-RN The Real Number System N-Q Quantities
<b>Algebra</b>	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
<b>Functions</b>	F-IF Interpreting functions F-BF Building Functions F-TF Trigonometric Functions

## Course Description:

Precalculus combines the trigonometric, geometric, and algebraic techniques needed to prepare students for the study of calculus, and strengthens students' conceptual understanding of problems and mathematical reasoning in solving problems. Facility with these topics is especially important for students intending to study calculus, physics, and other sciences, and/or engineering in college. Because this is an upper level math course, it is important that you **attend class everyday**. If you are absent, it is your responsibility to make up your work. I accept late work but you will not receive full credit. Take this class seriously, and put in 100% effort and you will be ready for college placement tests and/or higher mathematics courses.

## Unit Overview:

Unit 1 – Polynomial and Rational Functions

Unit 2 – Exponential and Logarithmic Functions

Unit 3 – Analytic Trigonometry and Trigonometric Functions

Unit 4 – Polar Coordinates

Unit 5 – Vectors

Unit 6 – Matrices and Systems of Equations

Unit 7 – Probability and Statistics

Unit 8 – Limit: Preview of Calculus (If time allows)

## Course Materials:

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

## **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 (no matter how briefly) or any other electronic devices (unless you have a permission) after one verbal warning.

**Unit Exam/Quizzes & other Assessments (30%):** After each unit exam, 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 a week. \*Also see below for make-up policy

**Projects (20%):** You may be assigned one or two projects per marking period. If a marking period passes without an assigned project, the 20% weight will be redistributed evenly amongst the other three categories.

**Homework (20%):** You will have a 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](mailto:jjin3@schools.nyc.gov). We can also arrange a meeting during the school hour.

# MANHATTAN HIGH SCHOOL/P.35M

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**MARTA BARNETT**

**Principal**

Gavriel Berkovits  
Assistant Principal

## **Homework #0 -**

Please sign and return this page to Ms. Jin by **Monday, March 12, 2018.**

I, \_\_\_\_\_, (student) have read and understand the requirements of  
Last, First (Print)  
**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: \_\_\_\_\_