

# Pre-Calculus

Mr. Haaland  
2019-2020

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**Course Overview:** This course is intended for students who wish to further their understanding of mathematical structure and analysis. Students will come away from the class having strengthened the skills they began the year with and adding to that skill set. This course is designed to expand on, make connections between, and applications of topics such as trigonometry, vectors, matrices, analytic geometry, functions and their graphs, polynomial functions, rational functions, exponential functions, logarithms and limits. Other calculus topics including derivatives with applications will be covered as time permits. Pre-Calculus is course designed for students who have successfully completed Algebra 2.

## Course Expectations:

Our classroom will be a positive learning environment where all students are welcome, valued and prepared. The foundation for our community is the execution and observation of behavior that follows John Jay's School Wide Expectations:

- **Collaborate**
- **Respect**
- **Engage**
- **Act Appropriately**
- **Manage Time Effectively**
- **Excel**

Students are expected to follow the code of conduct at all times. Consequences for misbehavior include those listed in the code of conduct, including lunch or after school detention.

## Tips for Success

- Come to class, attendance is extremely important.
- Do what you are asked to do, stay on top of the material.
- Participate in class, ask questions and contribute to class discussions.
- Take advantage of extra help when needed. I will be available after school for extra help. Let me know if you need to stay, and we will make the arrangements. I hope you will take advantage of this time if you are having difficulties with the material being covered in class.

## Grading

Your final grade will be calculated as follows

1 <sup>st</sup> Quarter	20%
2 <sup>nd</sup> Quarter	20%
3 <sup>rd</sup> Quarter	20%
4 <sup>th</sup> Quarter	20%
Final/Midterm Exam	20%

- All students are expected to take the final, which counts as 20% of their final average.
- Your quarterly grade will be calculated based on a total points formula. Each test, quiz or homework will be worth a predetermined number of points. Your average will be calculated by dividing the points you have earned by the total number of points available.
- Homework will be assigned and checked on a regular basis. Homework will receive one of three grades: 2 points for full credit, 1 point for half credit and 0 points for no credit. If you are absent from class you are required to get and show me the completed assignment to get credit. If you fail to do this you will get a zero for these assignments. Late homework will not be accepted.
- A quiz will only be a few questions and will usually last for half the period or less. Some will be announced and others will not. There will be about one quiz per week.
- Tests will come at the end of a unit. They will usually last the whole period. There will be a test every two or three weeks.
- Any quiz or test that is missed due to absence must be made up in one week. Failure to do so will result in a grade of zero.