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## Honors Pre-Calculus

2019/2020 School Year

Dr. Natalie C. Johnson

[www.mrsnjohnson.com](http://www.mrsnjohnson.com)

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This pre-calculus course will review topics you learned in Honors Algebra 2 Trig and expand on new topics designed to provide what you need to be successful in future Calculus classes. We will cover trigonometry extensively. Within each topic, we will explore different concepts from graphical, numerical, and algebraic perspectives. Obviously, the graphical perspective suggests the use of graphing calculators (TI-83 or TI-84). **My hope is that each student becomes an active participant in developing their own mathematical understanding. This means taking class notes daily, reading the text sections prior to completing the homework, completing homework problems to the best of your ability, asking questions of one another and of the teacher, seeking help (Khan Academy, etc.), and being organized.** I hope that with your hard work and growth mindset (and a bit of my guidance), you will continue to enjoy learning mathematics, appreciate its challenges, and be awestruck by its beauty.

**Grade Computation: Semester Grade: Tests/Quizzes 70%; Homework 10%; Semester Exam 20%**

The D204 grading scale is...

**A**----- 90% - 100%

**B**----- 80% - 89%

**C**----- 70% - 79%

**D**----- 60% - 69%

**F**----- 0% - 59%

**NOTE: YOU MAY ONLY WRITE IN PENCIL IN THIS CLASS. NO PENS!**

**Exams \*\*:** An exam will be given at the end of each chapter worth between 30-50 points. They are designed to show me you can apply the concepts learned to **new** problems.

**Quizzes \*\*:** A quiz may be given at any time during a chapter, worth approximately 20-30 points. They will help to assess where you are in your understanding of topics presented. *Pop quizzes* may occur on any given day to keep you sharp!

**Homework:** Homework will be assigned on a daily basis, and may be checked regularly. Points may or may not be assigned when homework is checked. **I expect that each problem will be attempted and some work or graph or diagram is shown to demonstrate understanding.** An assignment of only answers will not be accepted. You will receive 3 points where all problems were completed, 2 points where half the problems were completed, 1 point where less than half the problems were completed, and 0 for no homework (even if you left it at home).

**Make-Up Work\*\*:** If you miss a class, it is **your** responsibility to obtain the class notes and assignment from a classmate. With pre-arranged absences, such as field trips, please get the assignment prior to the day. A fieldtrip does not excuse you from work that is due. I do not accept late work.

\*\* I reserve the right to make any make-up exams/quizzes different from the original.

**Cheating:** Any form of cheating will not be tolerated. A 0% will be given on that assignment, quiz, or test, and parent contact will be made by your teacher. Various forms of cheating are listed in your student handbook (not all inclusive).

**Graphing Calculators and BYOT:** A Graphing calculator (TI-83, TI-83(+), TI-84) is required for this class. It will be used during demonstrations, in-class discussions, homework assignments, and on parts of quizzes and tests. **A TI-89 is allowed, but its use may be restricted at times.** Please talk to me if you have questions about which model is best for you.  
[D204 BYOT Policy](#)

**Math Team:** Your participation with the MVHS math team is recommended (not required). Check the school's website for meeting information.

My schedule for this year is ...

Period 1 -----	Supervision	
Period 2 -----	Prep	
Period 3 -----	Calculus-----	Rm. D101
Period 4 -----	Honors Pre-calculus	Rm. D101
Period 5 -----	Honors Pre-calculus	Rm. D101
Period 6 -----	Lunch	
Period 7 -----	Calculus	Rm. D101
Period 8 -----	Honors Pre-calculus	Rm. D101

I can be reached **preferably by e-mail** at [natalie\\_johnson@ipsd.org](mailto:natalie_johnson@ipsd.org).

### **General Behavior Guidelines**

Please refer to the district's student handbook.

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