



PATTISON HIGH SCHOOL

We don't teach a class, we teach individual students in a class

Pre-Calc 12

Winter Semester 2022 – Period 4

Room 119

Mr. Vandervelde

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Big Ideas:

1. Using inverses is the foundation of solving equations and can be extended to relationships between functions.
2. Understanding the characteristics of families of functions allows us to model and understand relationships and to build connections between classes of functions.
3. Transformations of shapes extend to functions and relations in all of their representations.

Course Units:

1. Function Transformations
2. Polynomial Functions
3. Trigonometry – the Unit Circle
4. Trigonometric Functions
5. Trigonometric Identities
6. Exponential Functions
7. Logarithmic Functions
8. Rational Functions
9. Function Operations

Mark Distribution:

Participation: 10%

Assignments and Quizzes: 20%

Chapter Tests: 40%

Midterm Exam: 15%

Final Exam: 15%

Course Materials Needed:

- Pre-Calculus 12 Student Workbook (Nelson © 2012)
- Any additional notes will be printed or provided via Teams as Adobe files
- Calculator
- Binder and lined paper

Marking Philosophy:

The **participation** mark will come from attendance, as well as the completion of daily homework. Daily homework will be checked regularly but will not be collected to be marked. Your willingness to participate in class and ask questions will also impact this portion of your grade. There will also be the occasional formative assessments during the course, which are practice assignments that will be corrected and taken into consideration for participation, but will not directly affect your grade.

Absences:

If you are not present during an online class, it is your responsibility to ask for the material you may have missed. It will also be up to you to hand in any assignments that were due during your absence.

Notify me in advance if you know that you will be absent for a test. Missing a test because of an unexcused absence will result in a score of zero.

Additional Assistance:

Additional assistance is available – I am available at the school each day from about 8:20am to 4:10pm. You may message me on Microsoft Teams or via email me anytime, and I will respond when I am able. I can also send solutions to questions via Teams as a written response (changed into an Adobe file).

Code of Conduct:

Students are expected to adhere to the code of conduct at all times. This includes being on time and engaged during class, being in uniform and using English while in class. Cell phones are to be used only to listen to music – if technology becomes a distraction it may be confiscated, and the student may lose the right to use technology in class if it is a recurring issue.

First Peoples Principles of Learning – *Learning Involves Patience and Time*