

Course Outline:

2019-2020

Overview: Pre-Calculus 12 is an extension of Pre-Calculus 11 and is intended for students who anticipate enrolling in first year calculus courses at the post-secondary level. Students who are unsure of their post-secondary plans are encouraged to ask their counselor whether or not their future programs of study require Pre-Calculus 12.

Grading and Assessment: Marks are cumulative.

Unit Tests	65%
Quizzes	16%
Final Exam	19%

Although homework will be regularly checked, there will be no formal homework assessment. *You are in charge.*

Rewrites on unit tests are not offered. However, optional term tests covering previously learned material will be offered on these tentative dates: _____, _____, _____. There will be no midterm, and final exam will be during the week of _____ (two classes). Keep in mind these dates are tentative and may be changed with plenty of notice.

Resources:

Pre-Calculus 12: McGraw-Hill Ryerson texts will be available for your use in the classroom as an additional resource.

Calculators: Graphing calculator is an optional resource, but not a necessity. However, a scientific calculator is necessary. Keep in mind calculators may not be permitted during certain test/quiz according to the topic.

Attendance: Pre-Calculus 12 is a very fast pace course with each topic building up upon each other. On the day you are absent, you are responsible for contacting myself or a fellow student to discuss the materials you have missed.

***** If you will be absent from a test or a quiz, your parent/guardian/doctor must contact me by phone. A phone call is to verify your illness and to reschedule a date for your rewrite. If I'm not contacted by phone the same day of your test you will not be permitted to write the test.**

Vancouver Technical's phone number is **604-713-8215 ext: 800507**. **DO NOT LEAVE A MESSAGE with the receptionist.** We must have a conversation, even if it means that you need to make multiple attempts. Don't forget that the school still requires you to bring a note to confirm your absence.

Remember, attitude is everything!

You can review the info above and other course info at anytime at:

website: <https://mrsardinha.weebly.com/>

Password:

*password will change on a regular basis

Pre-Calc 12 Topics: The order in which we will cover the topics this year is outlined below:

CH	Title	Topics
1	Function Transformations	Functions and Relations, Transformations, Inverse Functions and Combined Transformations
7	Exponential Functions	Graphing and Transforming Exponential Functions, Solving Exponential Equations
8	Logarithmic Functions	Laws of Logarithms, Properties of Logarithmic Expressions and Equations, Application
4	Trigonometry of the Unit Circle	Angle Measure, Reference Angles, Trigonometric Ratios and Equations
5	Trigonometric Functions and Graphs	Sine, Cosine and Tangent Functions, Graphing Trigonometric Functions, Applications of Periodic Functions
6	Trigonometric Equations and Identities	Solving Trigonometric Equations and Proving Trigonometric Identities, Sum and Difference Identities and Double Angle Identities
3	Polynomial Functions	Graphing Polynomial Functions, Division, Remainder and Factor Theorems
2	Radicals Functions	Radicals, Solving and Graphing Radical Equations
9	Rational Functions	Graphing Rational Functions, Solving Rational Equations
10	Function Operations	Arithmetic Combinations and Composite Functions
11	Series & Sequences	Geometric Sequences, Series, Infinite Series, and Sigma Notation

Extra-Help: I am available for extra-help during the scheduled MathMosh or during Lunch time. However, if you need assistance on a particular day or time, please make an appointment with me to work out a time best for both parties. Don't wait until the last minute, plan ahead! Keep in mind that:
It is your responsibility to catch up on the missed material whether the absence is from an illness, field trip, or any school based absence.