

# Pre-Calculus 12 . Valleyview Secondary School

. Mrs. J Mallais . Room 136 .

**Welcome to Pre-Calc 12 ☺ I look forward to the semester with you!**

## Classroom expectations:

- 1. Show up on time.** Use the bathroom & fountain before class.
- 2. Come prepared.** With all your materials AND completed homework.
  - Be in your assigned seat, ready to start class when the bell rings
- 3. Do your work.**
  - Listen & follow directions – my job is to teach you
  - Work quietly without disturbing other students – your job is to learn
- 4. Respect everyone and everything around you.**
  - People – teachers, students, support workers & TOC's and property.
  - Certain language is unacceptable in a school environment.
- 5. No food or drinks.** (Water with a lid is allowed)
- 6. NO CELL PHONES.** If you are texting or on social media during instructional time your phone will be taken away. This is a class wide warning.

## Topics that will be covered:

<b>A</b>	<b>Trigonometry</b>
	Angles & angle measures, the unit circle, trig ratios and equations Graphing sine and cosine functions & transformations, the tangent function Trigonometric identities
<b>B</b>	<b>Relations and Functions</b>
	Translations, reflections, stretches of functions. Inverse of a relation Radical functions and transformations, square root of a function, solving graphically Polynomial functions, Remainder theorem, Factor theorem  Exponential functions and logarithms  Rational functions: transformations, analysis, graphs Function operations (sum, difference, product & quotient) and composite functions
<b>C</b>	<b>Permutations, Combinations and Binomial Theorem</b>
	Permutations (counting) and combinations (when order matters) Binomial Theorem (and Pascal's Triangle)

### Materials required for class EVERY DAY:

- Binder with lined paper for notes and assignments
- **PENCIL** an eraser (pen is only okay for notes) and a ruler
- Scientific **Calculator** – a phone is NOT an appropriate substitute

### How will my grade be determined?

In class observations, small assignments, frequent quizzes and larger tests will make up your overall achievement grade. An activity or assignment will be given daily. If it is not completed in class you will be expected to finish it on your own time.

<b>Daily Practice</b>	<b>Effort Grade</b>
<b>Assignments</b>	<b>10%</b>
<b>Quizzes</b>	<b>20%</b>
<b>Tests</b>	<b>50%</b>
 <b>FINAL EXAM</b>	 <b>20%</b>

Missed quizzes will most likely be omitted and the weight will be transferred to that Chapter Test.

Missed tests will **NOT** be omitted and must be written the day you return to school.

If you do poorly on a Chapter Test, you may request a rewrite. Retests will be dealt with on a case by case basis. You should not expect to rewrite every test.

Your mark in this course is a “running total” (not the average of two terms). This way you will always know what your overall mark is in this class. Mark updates will be available approximately every 2-3 weeks, usually after a unit is completed.

Your effort grade will be based on the Valleyview school-wide effort rubric that is based on **attendance, homework completion, organization & citizenship**.

### **A class website has been set up to communicate with students & parents.**

You can find it at [mallais.weebly.com](http://mallais.weebly.com) (you should bookmark it at home & on your phone). Here you will find handouts, extra information and important upcoming dates.

### **Contact information**

The best way to get in touch is via email – [jmallais@sd73.bc.ca](mailto:jmallais@sd73.bc.ca)

There is also link on the website where you can email me directly.

Or phone the school and leave a message – 250-372-5231