

Welcome to Pre-Calculus 11!

TEACHER: Mrs. Colpitts

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WEBSITE: <http://mrscolpittswss.weebly.com>

TEXT: Your copy of Pre-Calculus 11 *my* WORKTEXT

Additional materials (worksheets, etc) will be used as needed to supplement the text

CONTENT:

Topics Covered	Details
UNIT 1 1.1-1.6 Roots and Powers	The Real Number System, Exponent Laws, Mixed and Entire Radicals
UNIT 2 2.1-2.5 Absolute Value and Radicals	Absolute Value, Simplifying Radical expressions, Solving Radical Equations
UNIT 3 3.1-3.5 Solving Quadratic Equations	Factoring Polynomial Expressions, Solving Quadratic Equations by Factoring, Using Square Roots to Solve Quadratic Equations, Quadratic Formula, Interpreting the Discriminant
UNIT 4 4.1-4.7 Analyzing Quadratic Functions	Properties of Quadratic Functions, Solving Quadratic Equations by Graphing, Transforming the Graph of the Quadratic Function, Vertex form of Quadratic Equation, Modeling and Solving Problems with Quadratic Equations. Solving Linear and Quadratic inequalities Graphically and Algebraically.
UNIT 5 5.1-5.5 Trigonometry	Angles in Standard Position in Quadrants 1-4, Constructing Triangles, Sine and Cosine Laws
UNIT 6 6.1-6.5 Rational Expressions and Equations	Equivalent and Simplifying Rational Expressions with Monomial, Binomial and Trinomial Denominators, Solving and Applications of Rational Equations
UNIT 7 7.1-7.6 Financial Literacy	Simple and Compound Interest. Investments and Loans

REQUIRED SUPPLIES for EACH class:

- Your workbook (provided)
- Pencils, eraser, ruler and highlighters – for your copy of *my* WORKTEXT
- A scientific calculator
- Graphing calculators are not necessary – the free Graphing Calculator phone & computer app DESMOS is quite powerful and will do everything you need.

EVALUATION:

Quizzes: 25%

Tests: 50%

Final Exam: 25%

TESTS:

Rewrites are permitted on tests, provided the student has completed corrections and assignments and can show me additional learning has occurred within the designated time frame. **Rewrites are a privilege, and should be treated as such.** I reserve the right to deny a rewrite if the student has not demonstrated additional learning. In the event of a rewrite, the **second** mark will be recorded.

TUTORIALS:

I will try to hold tutorials every Wednesday in room 113. Sometimes these tutorials may have to be rescheduled due to meetings.

ASSIGNMENT EXPECTATIONS:

A list of assignments is supplied at the beginning of each unit. If you miss a class, you will know what's expected for completion when you return. There may be changes, so make sure you check with a fellow classmate as well. **Complete worked solutions are available on our Google Classroom– this is designed to help you if you are stuck.** If you

complete the assignments to the best of your ability, (and make corrections to your work), you will be successful in the course.

I reserve the right to look through your workbooks at any time. *Pro tip: Don't bother asking for a retest if you haven't done the assigned questions in the workbook.*

ABSENTS:

This course is very demanding, requiring organization and good attendance to be successful. New topics are covered every day.

- a. If you are absent for a quiz or test you must arrange to write this quiz or test the day you return and it must be written at lunch or afterschool.
- b. If a student is away for an extended period of time it is **his/her responsibility** to meet with me as soon as possible after or preferably before to set deadlines for the missing work.

CLASSROOM EXPECTATIONS:

- a. Arrive to class on time with necessary supplies, ready to work
- b. Please no talking while I'm giving instructions. Be courteous by removing headphones during instruction.
- c. Mobile phone use during class is not permitted unless you are using DESMOS – I don't want to see them, so leave them in your locker, bag or pocket
- d. Only calculators are allowed for calculations
- e. Ask questions when you don't understand the work but please think for yourselves and think critically.
- f. Have the assigned work completed before arriving to class
- g. Healthy snacks and drinks are ok as long as they do not disrupt learning. Take your garbage and recyclables with you!

COURSE FEEDBACK:

Marks are updated often and once a month, I will send progress reports home. If a student or parent would like an additional progress report, just ask!

If there are any questions or concerns feel free to email me at kcolpitts@sd48.bc.ca *Email is the most efficient means of communication.*

Students please have your parent/guardian read over this course outline and the class expectations. Discuss the outline and sign the form afterwards. Keep this outline in the front of your Math binder.

I have read the course outline for Pre-Calculus 11 and fully understand the class expectations; I agree to follow the class rules.	
Student Name (printed):	Student Signature:
I have read the course outline and understand the classroom expectations of my student.	
Parent Name (printed):	Parent Signature: