

Welcome to Foundations and Pre-Calculus Math 10!

TEACHER: Mrs. Colpitts

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TEXT: Foundations and Pre-calculus Mathematics 10 by Pearson

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

CONTENT:

Topics Covered	Details
UNIT 2 2.1-2.7 Trigonometry	Solving Right Angled Triangles using Sine, Cosine and Tangent Ratios
UNIT 3 3.1-3.8 Factors and Products	Perfect Squares, Cubes and their Roots, Factors & Multiples, Prime Factorization Multiplying and Factoring Polynomials
UNIT 4 4.1-4.6 Powers	Irrational Numbers Fractional and Negative Exponents Exponent Laws
UNIT 5 5.1-5.7 Relations and Functions	Interpret and Explain Relationships among Data Properties and Graphs of Relations and Functions
UNIT 6 6.1-6.6 Linear Functions	Graphing and Equations of Linear Functions Slopes of Parallel and Perpendicular Lines, Slope-Intercept, Slope-Point and General Form of the Equation for a Linear Function Arithmetic sequences and series and their connection to linear relations (not in textbook)
UNIT 7 7.1-7.6 Systems of Linear Equations	Solving Systems of Linear Equations with Two Variables Using the Methods of Graphing, Substitution and Elimination
UNIT 1 Not in textbook Financial Literacy	Types of Income Income Tax and other Deductions

REQUIRED SUPPLIES for EACH class:

- 3 ring binder, loose leaf paper, graph paper
- Dividers for each section to keep work organized. (7 in total)
- Pencils, eraser, ruler and highlighters
- **Scientific calculators are necessary for this course.** You may not use your phone/iPod on quizzes, tests or the exam. Graphing Calculators are also not permitted.

EVALUATION:

Assignments: 10%

Quizzes: 20%

Tests: 50%

Final Exam: 20%

TESTS:

Rewrites are permitted on tests, provided the student can show me additional learning has occurred. 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 each week. The time and place of these tutorials will be determined in September. 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. We will have a daily assignment check with time for questions. If you complete the assignments to the best of your ability, (and make corrections to your work), you will be successful in the course. Please follow these guidelines for completing assignments:

1. Full solutions must be given – **no work, no marks**
2. Please check (and correct) your answers as you go along – this is **your** job
3. Work should be neat, legible and completed in pencil

At the end of the unit, on the day of the test, I will collect your homework package for the unit. It must be in order, with the assignment rubric as the front page. The self-evaluation section **MUST** be completed.

ABSENTS:

This is a demanding course, requiring organization and good attendance to be successful. Work is assigned 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. Be respectful of our shared learning space.
- c. Please no talking while I’m giving instructions. Be courteous by removing headphones during instruction.
- d. Cell phone use during class is not permitted – I don’t want to see them so leave them in your locker, bag or pocket
- e. Only calculators are allowed for calculations
- f. Ask questions when you don’t understand the work but please think for yourselves and think critically.
- g. Have the assigned work completed before arriving to class
- h. 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 following the grading of each unit test, 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 Foundations & Pre-Calculus Mathematics 10 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: