

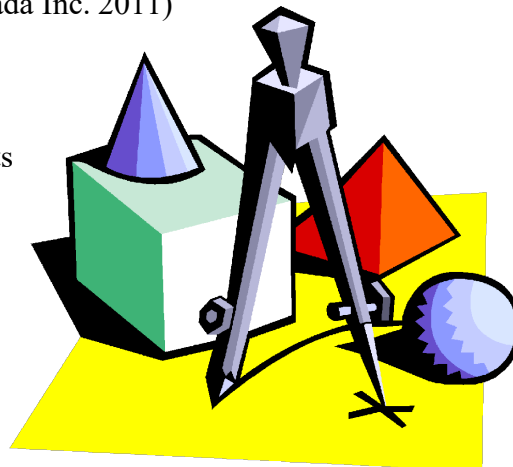
PRE-CALCULUS 11

Mr. J.N. Bradshaw

Text: Pre-calculus Mathematics 11 (Person Canada Inc. 2011)

Major Learning Outcomes:

1. Powers
 - operations using rational exponents
2. Radicals
 - operations
 - solving radical equations
3. Rational Expressions and Equations
 - simplifying and solving
 - applications
4. Trigonometry
 - Use the Law of Sines and Law of Cosines to find sides and angles and apply them in various situations.
5. Quadratic Equations and Functions
 - Solve quadratic equations in various ways (factoring, completing the square, quadratic formula, graphing).
 - Graph quadratic functions and be familiar with the terminology associated with such graphs.
 - Applications involving quadratic functions.
6. Systems of equations
 - Graph systems of equations and solve problems using these graphs.
 - Model situations using systems of equations
 - Algebraically solve systems of equations.
7. Financial Literacy
 - Compound interest and its application to investments and loans.



Also see: <https://curriculum.gov.bc.ca/curriculum/>

Big Ideas for Pre-Calculus 11

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| Algebra allows us to generalize relationships through abstract thinking. | The meanings of, and connections between, operations extend to powers, radicals, and polynomials. | Quadratic relationships are prevalent in the world around us. | Trigonometry involves using proportional reasoning to solve indirect measurement problems. |
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Core Competencies:

Students will be working on the concepts encompassed by the core competencies as represented by the triangles shown below. In part this will entail ongoing self-reflection and goal setting.



Course Content Evaluation:

70% Tests

30% Assignments, Quizzes, Etc.

Note: There will be a Final Exam worth 20% of the final mark.

Work Habits: *(There is no mark given for work habits)*

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| Good: Working to full potential. Completes all assignments. Participates fully in class discussions. Contributes to a positive classroom atmosphere. Cooperative with others. Punctual and prepared for class. Great attendance record. Treats others and staff with respect. Lives up to school and classroom expectations. |
| Satisfactory: A portion of the above criteria met at an acceptable level. |
| Needs improvement: Minimal completion of the above criteria. |

Rewrites:

Students may rewrite chapter tests. The rewrite **will** replace the mark received on the original test.

To rewrites students must:

- 1) Indicate a wish to rewrite a test by registering with the teacher.
- 2) Participate in a tutorial prior to the rewrite.
- 3) Do the re-writes on the date set in class.
- 4) Demonstrate satisfactory effort during class.

Extra Help:

Extra support is accessible through scheduled appointments during lunchtime and, if required, after school hours.

Missed assignments are expected to be completed by students on their own time, with the guidance and assistance of the teacher during lunchtime.

Required material:

2-inch binder with lined paper, graph paper, and dividers
scientific calculator
assorted pens, pencils, erasers, etc.

Web Site: <https://pvs.sd83.bc.ca/brashaw/>

Teacher Email: jbradsha@sd83.bc.ca

I have read and understood the course outline:

(Student Signature)

(Parent/Guardian Signature)

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|-------------|
| Print Name: |
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| Email Address: |
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