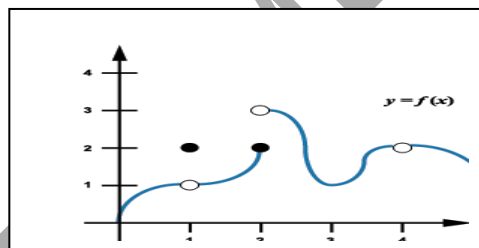
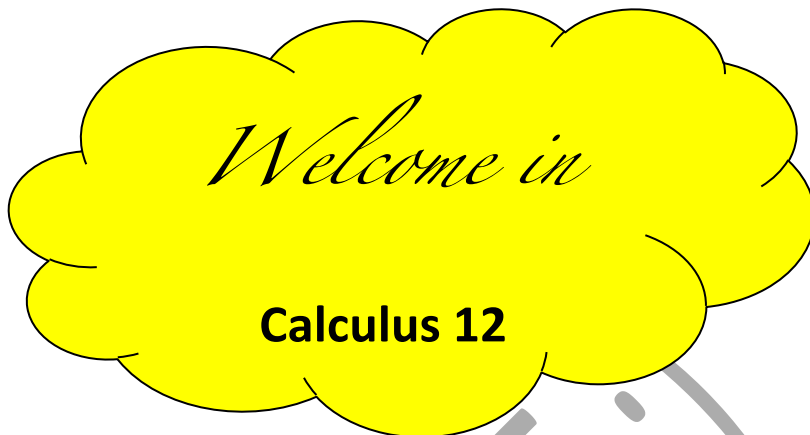
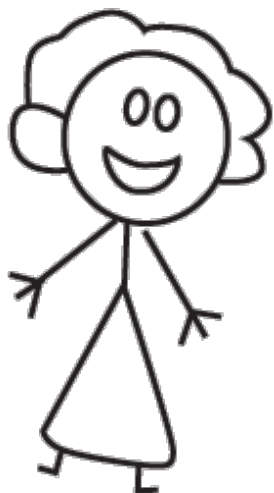


Name: \_\_\_\_\_



**Mrs. Ferris**

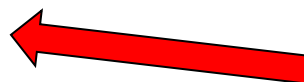
**dagmar.ferris@yesnet.yk.ca**

Room #145

**COURSE DESCRIPTION:** Calculus 12 is a conceptual course requiring a solid mathematics background, ability to further develop abstract reasoning and good problem solving.

**COURSE EXPECTATIONS:** Students are expected to maintain the necessary work habits in order to adhere to the course schedule. It is the **student's** responsibility to seek help during class or, by prior arrangement, outside of class time. Lunch-hour as well as after-school tutoring will be available.

**Students are responsible for work missed due to absence. Extra help with missed material will be available after the student has obtained and attempted the missed material.**



Further information about the course curriculum can be found at:

[https://curriculum.gov.bc.ca/sites/curriculum.gov.bc.ca/files/curriculum/mathematics/en\\_mathematics\\_12\\_calculus\\_elab.pdf](https://curriculum.gov.bc.ca/sites/curriculum.gov.bc.ca/files/curriculum/mathematics/en_mathematics_12_calculus_elab.pdf)

## COURSE EVALUATION:

1. Test topics and dates will be announced in advance. Students are encouraged to make an arrangement with their teacher to write the missed test as soon as they return to school after their excused absence.
2. Quizzes will NOT be announced in advance. A grade of zero will be scored for a quiz missed due to lateness or unexcused absence. A student with an excused absence on the day of the quiz will not be penalized. Quizzes will be solely based on material presented in class and assigned homework.
3. Assignments (projects, in-class work and assignments) will be checked regularly, and may be collected without prior notice. **It is expected student will demonstrate the steps leading to his/her answer in all work.** Unsubstantiated work will not be credited as the process leading to an answer is often more valuable than the answer itself.
4. Attendance and behavior expectations for quizzes and tests are the same as the school's expectations of students for final exams. No phones in sight.

5. Copying other's work, enabling others to copy one's work, and using unauthorized material during quizzes and tests is considered plagiarism. Plagiarism is a severe offence and it will be taken into consideration during student's evaluation.
6. Students are expected to clearly identify all the resources and references they use to complete any given project or assignment.
7. **\*Conversations among peers and with a teacher are essential components of assessment and evaluation.** Peer talks and small group and whole-class discussions will be used to determine the level of understanding, to emphasize connections with already known and mastered material, and to allow students multiple opportunities to communicate their understanding and to voice their questions in a safe environment.
8. \*Students' ability to work independently, to effectively and respectfully cooperate with others, to assess their own work and the work of their peers, to set goals, and to plan strategies to achieve the goals will be observed, assessed and evaluated.

#### CALCULATION OF CLASS WORK MARK:

Tests	40.0%
Quizzes	20.0%
Project	15.0%
<u>Assignments and classroom participation</u>	<u>25.0%</u>
Total	100.0%

#### FINAL MARK – School-based final exam

Class work	80.0%
<u>Final Exam</u>	<u>20.0%</u>
Total	100.0%

### CALCULUS 12 COURSE TIME-LINE

<b>Month</b>	<b>Topics</b>
January	Prerequisites for Calculus, review of functions. History of Calculus
February	Limits and Continuity
March	Differentiation
April	Differentiation and Application.
May	Integration and Application.
June	Review and Final Exam.

- The Final Exam will be during the scheduled PCSS exam week in June. It is the student's responsibility to be familiar with the published exam schedule.

#### RESOURCES:

Textbook – **Calculus** (*Graphical, Numerical, Algebraic* by Finney et al.)

Worksheets and handouts. Math websites, magazine and newspaper articles when applicable.

**Desmos for graphing**

GENERAL EXPECTATIONS:

Students are expected to show respect for their classmates by arriving to class prepared and on time. Cell-phones, laptops, i-pods, i-pads and other electronic devices are not to be used by students while in class. Exceptions may be made on an individual basis and students may be granted permission to listen to quiet music during independent study/practice periods or use their electronic devices to conduct research.

This information sheet is to inform students and parents/guardians of the expectations for this course. Please sign and return. Thank you.

Student Name: \_\_\_\_\_ Student Signature: \_\_\_\_\_

Parent/Guardian Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Questions or comments:**

- ⊕ What is math?
  
  
- ⊕ What is calculus?
  
  
- ⊕ What is math good for?

⊕ What is calculus good for?

⊕ What is problem-solving?

⊕ What strategies do you use to solve problems?

Calculus is AWESOME! :)

Name: \_\_\_\_\_

Please fill in:

1. I am good at \_\_\_\_\_

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2. At school, I am good at

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3. In math, I am good at

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4. In science, I am good at

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5. I am most interested in

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6. I usually have difficulty with

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7. I would appreciate help with

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8. I am \_\_\_\_\_ at note-taking.

9. I am \_\_\_\_\_ at reading assigned passages from a textbook, and extracting important information.

10. I am \_\_\_\_\_ at copying notes from the board.

Please circle the expression(s) that most appropriately describes your attitude towards this course.

I find math interesting but difficult.

I am taking calculus 12 just because I did not want to take any other course and I needed another credit.

I am curious to see if I like calculus.

I am taking this course because I was told to do so.

I could not care less about calculus 12 or any other course.

I love math, it is my favourite subject. I am sure I will love calculus 12 too.

