

# Pre-Calculus 12 StartUp Assignment

## Student Learning Plan (SLP)

In the following table, you will see two columns beside courses. “C” stands for completed and “IP” stands for in-progress. Please put a checkmark in the appropriate box. For courses you have not taken yet, please leave blank.

What grade are you currently in?						
If you are on the adult graduation program, or have graduated, check this box and go on to page 2. Contact your VLN counsellor if you are not sure which graduation program you are on.						
<b>Required Courses (52 credits for graduation)</b>						
		C	IP		C	IP
English 10 Composition (or other English 10 course)	(2)			Science 11 or 12	(4)	
English 10 Literary Studies (or other English 10 course)	(2)			Mathematics 10 (Workplace or Foundations/Pre-Calculus)	(4)	
Literary Studies 11 or Composition 11	(4)			Mathematics 11 or 12 (Workplace, Foundations or Pre-Calculus)	(4)	
English Studies 12 or English 12 First Peoples	(4)			Physical and Health Education 10	(4)	
Social Studies 10	(4)			Arts Education and/or Applied Design, Skills and Technologies	(4)	
Social Studies 11 or 12	(4)			Career Life Education 10	(4)	
Science 10	(4)			Career Life Connections & Capstone 12	(4)	
<b>Elective Courses (28 credits for graduation)</b>				<b>Required Assessments</b>		C
	Course Name	C	IP	Grade 10 Numeracy		
Grade 10, 11, or 12				Grade 10 Literacy		
				Grade 12 Literacy		
				<b>Please ensure you complete at least one Indigenous or First Peoples course (Grade 10, 11, or 12) in order to graduate.</b>		
Grade 12						
				Course Name	C	IP
<b>Date and Signature</b>						
Student's Full Name (type)					Date	

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**Make sure that you have completed Section 1.2 in Unit 1 before doing this assignment. You can print this and write out the solutions. When you submit the assignment to the Startup Written Assignment folder make all the pages are combined into a single file in the proper order.**

**Make sure that you show all you work and answer the question completely. 2 marks for each question. 10 marks total.**

1. Determine whether each sequence is an arithmetic sequence. Give the reason why you gave your answer.

a.  $0, 2, 5, 9, 14, \dots$

b.  $37, 34, 31, 28, \dots$

2. Find the next three terms of each arithmetic sequence.

a.  $10, 13, 16, 19, \dots$

b.  $\frac{3}{5}, \frac{7}{10}, \frac{4}{5}, \dots$

3. Use the arithmetic sequence formula to help solve each problem. ( $t_n = a_1 + (n-1)d$ )

a.  $3, 7, 11, 15, \dots$  Find  $t_{38}$

b.  $-5, -7, -9, \dots$  Find  $t_{71}$

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4. An arithmetic sequence has a common difference of  $-4$  and its 37<sup>th</sup> term is 10. Find the first term.

5. How many total terms are there in the following sequence?

**7, 10, 13, ..., 391, 394**

FEEDBACK

Feedback Date: \_\_\_\_\_

Grade %: \_\_\_\_\_

Marked by: Mr. Jas Gill

Good job. Please review this chapter work before the midterm exam as it covers chapters 1 to 4.

Welcome to the course.

You will have access to the complete course within 2 to 3 school days.

Soon the whole course will open under CONTENT for you.

*If you do not see the whole course after the time stated above it probably means that there is something wrong with your registration (or something is missing). Please contact your VLN counselor to resolve the problem.*

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### Academic Integrity Student Contract

Plagiarism is presenting someone else's work as though it is your own. Plagiarism may consist of work copied from the Internet, work copied from another student, or work generated by Artificial Intelligence (AI) or other electronic means.

Plagiarism represents a failure of integrity. Plagiarism damages a student's character and limits the student's learning from the course.

VLN has a zero-tolerance policy on plagiarism. We use professional tools to identify plagiarized or AI-generated student submissions.

If you are caught plagiarizing course assignments or cheating on an exam, this incident will be documented in our MyEd provincial student information system. Plagiarism may result in VLN administration meeting with the student and their parents (for school-aged students). Repeated incidents of plagiarism may result in withdrawal from the course or school.

### My Pledge to Academic Integrity

Please sign and date the following agreement:

I agree that I will not attempt to plagiarize work in any VLN course assignments or cheat on any VLN exams. I also agree that assignments I submit that are suspected of plagiarism may be scanned, stored, and accessed by US-based servers.

E-Signature

You can simply type in your name

Date

~The End~

Now you can upload this back into the folder.