

**PRE-CALCULUS 12  
TABLE OF SPECIFICATIONS**

CURRICULUM ORGANIZERS	COGNITIVE PROCESS			TOTAL
	Knowing	Applying	Reasoning	
<b>Trigonometry</b>	9	10	6	<b>25 (28%)</b>
<b>Relations and Functions</b>	20	26	9	<b>55 (61%)</b>
<b>Combinatorics</b>	5	3	2	<b>10 (11%)</b>
<b>TOTAL:</b>	<b>34</b>	<b>39</b>	<b>17</b>	<b>90 (100%)</b>

The values in this table are approximate. The weighting of each topic is intended to reflect instructional time.

**Examination Configuration:**

44 Multiple-Choice questions worth 1.5 mark each consisting of:

- 14 multiple-choice questions (calculator permitted)
- 30 multiple-choice questions (calculator not permitted)

6 Written-Response questions worth 4 marks each consisting of:

- 4 questions (calculator permitted)
- 2 questions (calculator not permitted)

The time allotted for the provincial examination is **two hours**. *Students may, however, take up to 60 minutes of additional time to finish.*

**Acknowledgement**

**The Ministry of Education wishes to acknowledge the contribution of British Columbia teachers in the preparation and review of this document.**

## PRE-CALCULUS 12

### DESCRIPTION OF THE PROVINCIAL EXAMINATION

The Table of Specifications outlines the weight of each curriculum organizer and cognitive process on the provincial examination. A detailed description of the mathematical processes and the examinable material within each curriculum organizer can be found in *The Common Curriculum Framework for Grades 10–12 Mathematics*, 2008 (CCF).

**Examination Booklet I: 14 Multiple-Choice questions and 4 Written-Response questions—calculator permitted.** Students will have a maximum of 45 minutes to work with their calculator. After 45 minutes, students will be allowed to continue in Booklet I without the use of a calculator.

**Examination Booklet II: 30 Multiple-Choice questions and 2 Written-Response questions—calculator NOT permitted.**

At the beginning of the examination, students will receive Examinations Booklet I. Students will begin Examination Booklet I using a calculator (*refer to the Ministry Calculator Policy*). They will have **45 minutes** to use their calculator. There are several questions that **require** the use of a calculator and students must make sure they have completed these prior to the 45 minutes. Not all questions need a calculator in Examination Booklet I.

When 45 minutes has passed, students will be instructed to put their calculator away. At that time they will be given Examination Booklet II. They can go back to any questions in Examination Booklet I without the use of a calculator.

The purpose of the non-calculator section is to assess the mathematical processes of Mental Mathematics and Estimation and visualization in a manner such that technology does not replace mathematical understanding (CCF p. 9).

This examination is designed to be completed in **two hours**. *Students may, however, take up to 60 minutes of additional time to finish.*

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