MapleMind

File 2
Practice exam

newfoundland | Grade 12

Mathematics 3201 Public Exam

Practice set 1 Student booklet

In this practice exam · 3 hours in all

1	**Part I: Selected Response**	50 questions
2	**Part II: Constructed Response**	12 questions

Before you start

- You have 3 hours to finish.
- You may use an approved calculator.
- Use the reference pages whenever you need them.
- In the written questions, show your work.

Your initials or class number
Not your student number

_____



Finished? Ask an adult to photograph your pages.
MapleMind marks them and shows what to practise next.

Sample

Part I: Selected Response

Questions 1 to 50

1 A park database marks whether each park has trail maps, winter access, and camping. A search uses “trail maps AND winter access NOT camping.” Which park does the search return?

Park database

Park	Trail maps	Winter access	Camping
Cedar Ridge	Yes	Yes	No
Misty Lake	Yes	No	Yes
Fox Hollow	No	Yes	No
Granite Bay	No	No	Yes

◯ **A** Fox Hollow

◯ **B** Cedar Ridge

◯ **C** Granite Bay

◯ **D** Misty Lake

Sample

Part II: Constructed Response

Questions 51 to 62

51 A farm technician randomly selects 10 of 18 irrigation plots for soil testing. Five plots in the north field are of particular interest. Every group of 10 plots is equally likely.

1. Calculate the probability that all five north-field plots are selected, showing all workings.

2. Explain why combinations apply to this selection.

Show your work

Sample

Answer key

Practice set 1. Add up the marks on the score sheet, page 11.

Part I: Selected Response

1 mark each · 50 marks

No.	Answer	Mark	What it tests	Page
1	[illegible]	1	Set Theory, Counting Methods and Probability	2
2	[illegible]	1	Set Theory, Counting Methods and Probability	3
3	[illegible]	1	Set Theory, Counting Methods and Probability	3
4	[illegible]	1	Set Theory, Counting Methods and Probability	4
5	[illegible]	1	Set Theory, Counting Methods and Probability	4
6	[illegible]	1	Set Theory, Counting Methods and Probability	5
7	[illegible]	1	Set Theory, Counting Methods and Probability	6
8	[illegible]	1	Set Theory, Counting Methods and Probability	7
9	[illegible]	1	Set Theory, Counting Methods and Probability	8
10	[illegible]	1	Set Theory, Counting Methods and Probability	9
11	[illegible]	1	Set Theory, Counting Methods and Probability	10
12	[illegible]	1	Set Theory, Counting Methods and Probability	10

Sample

No.	Answer	Mark	What it tests	Page
61	[redacted]	4	Exponential Functions, Logarithmic Functions and Financial Mathematics	53
62	[redacted]	4	Sinusoidal Functions	55

Question 51: worked answer and marks

4 marks

[redacted]

Question 56: worked answer and marks

4 marks

[redacted]

Sample

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File 1
Start here

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Mathematics 3201 Public Exam

The guide for students and adults

For the student

What to expect	Page 2
Your skills	Page 3
Your study plan	Page 5
How to study	Page 6
Your progress	Page 7
Exam day	Page 8

For the adult

How to print it, run it and mark it	Page 9
Answer keys Keep these files away from the student.	File 3

In your download

File 1	Start here (this guide)
File 2	Practice exam, Set 1
File 3	Answer key, Set 1
File 4	Reference sheet
Study plan	To your exam date, when you gave one
Code list	Who has each copy, for a class



Start with page 2, together if you can.
Your study plan is on page 5.

Sample