

Culminating Assessment - Math Journal



You can access the assessment break-down for the math journal at anytime by clicking on the journal icon at the end of each activity.

This assessment is worth 10% of your final mark.

During the course:

Throughout the course you will keep a math journal. The content will be based on suggestions made at the end of each learning activity.

End of the course:

At the end of the course you will select 2 journal entries from each unit (8 entries in total) to submit as part of your culminating assessment.

Here is a reminder of the 4 units in the course:

- Unit 1: Polynomial Functions
- Unit 2: Exponential Functions
- Unit 3: Trigonometric Functions
- Unit 4: Applications of Geometry

How to Format your Journal

Your math journal entries can be presented in a variety of ways. They do not all need to be in the same format. Here are some suggestions:

- handwritten journal
- online journal
- video recordings
- pictures
- audio recordings

The content should be organized in the way that makes the most sense to you and will likely vary, depending on the topic. Some ideas include:

- tables
- T charts to compare/contrast
- mind maps
- flow charts

What You Should Include in your Journal

Each journal entry should include the following:

1. Unit number and Learning Activity number and title
2. Description of the journal entry, as written in the learning activity
3. The required content, written by you with evidence of your learning

How you present part 3 is up to you!

Here is an example:

1. Unit 2 Learning Activity 2: Domain and Range
2. In your math journal summarize the meanings of the domain and range of a graph, how to determine domain and range from a graph vs. from an equation, and how domain and range can change when describing a real-life situation.
3. *The required content, documented by you, with evidence of your learning would go here.*

Each journal entry you submit for your culminating assessment should include evidence of learning from that learning activity. Some ideas may be:

- Think about what would be most helpful as review if you returned to your journal at a later date:
 - Picture(s) of worked examples
 - Diagrams
 - Written explanations
 - Summary sheet.
 - Did you devise a memory trick to serve as a reminder for the steps of a process you found challenging?
 - Were there particular types of questions where you frequently made errors?
- You may include personal reflections:
 - Do you think this content is useful in your daily life, or might it be in the future? Why or why not?
 - You could even use emojis to rate each aspect of the content throughout this assessment (😊 , 😐 , 😞)!

How the Journal will be Assessed

You will have the opportunity to submit four journal entries for feedback based on the rubric for this assessment. Review the feedback and make sure you understand the expectations for this assessment. You may decide to include these journals as part of your culminating assessment; make sure to revise them based on the feedback.

Please read through the rubric below to ensure full understanding of the assessment guidelines.

MCT4C Culminating Assessment: Math Journal	
Success Criteria (Please note: Not all success criteria apply to every journal entry) The selected journal entry shows:	Levels The selected journal entry demonstrates the success criteria:
Knowledge/Understanding <ul style="list-style-type: none"> knowledge of relevant and appropriate skills and procedures knowledge of relevant and appropriate facts and terms understanding of the meaning of the mathematical content 	<p>Level 4 (80-100) to a thorough/high degree</p> <p>Level 3 (70-79) to a considerable degree</p> <p>Level 2 (60-69) to some degree</p> <p>Level 1 (50-59) to a limited degree</p>
Application <ul style="list-style-type: none"> relevant and appropriate selection of facts, skills, procedures relevant and appropriate connections made between math concepts relevant and appropriate connections made between math and the world outside the classroom 	
Thinking <ul style="list-style-type: none"> logical interpretation of problem evidence of modelling the problem, drawing conclusions, or justifying reasoning 	
Communication <ul style="list-style-type: none"> math vocabulary used accurately math notation and symbols used appropriately algebraic solutions, graphs, charts, diagrams organized and clearly written mathematical thinking expressed clearly reflection on mathematical thinking expressed clearly 	