



Stage 6, 2025
Notice of Assessment Task
HSC Course in *Mathematics Advanced*
Financial Investigation

Date of initial notification: Monday 4 August 2025 Term 3, week 3	Date of submission of task: Monday 18 August 2025 Term 3, week 5
--	---

Teacher: Ms Wai	Task Number: 4
------------------------	-----------------------

Time Allowed: 2 weeks	Weighting of Task: 30%
------------------------------	-------------------------------

Course Component/Focus area/topic/module: Financial Mathematics

Task Description:

This take-home investigation task consists of 3 parts.

Part A: You are required to investigate different scenarios provided which relate to reducing balance loans and annuities.

Part B: You are tasked with making a financial decision based on a case study by investigating the two different home loan options provided.

Part C: You are asked to investigate a scenario relating to superannuation contributions and then investing the lump sum with regular withdrawals.

Submission of Task:

You are required to complete and submit this assessment task at the end of the allocated time. The task may be submitted as a hard copy or electronically on OneNote.

Outcomes/Competencies to be assessed in this task:

MA12-4 applies the concepts and techniques of arithmetic and geometric sequences and series in the solution of problems

MA12-2 models and solves problems and makes informed decisions about financial situations using mathematical reasoning and techniques

MA12-9 chooses and uses appropriate technology effectively in a range of contexts, models and applies critical thinking to recognise appropriate times for such use

MA12-10 constructs arguments to prove and justify results and provides reasoning to support conclusions which are appropriate to the context

Feedback: How will I receive feedback on this task?

- ☐ Written
- ☐ Verbal
- ☐ Whole class

Marking Criteria

Refer to marking rubric provided.

- *If you are absent on the day that the task is due, you MUST see your teacher the next day (not your next lesson) that you are present at school to show your medical certificate or produce a misadventure form (refer to your Assessment Booklet for a copy of the form). If you fail to show a medical certificate, a mark of zero will be awarded and an N-Determination warning letter will be issued.*
- *Exemptions and extensions for any other reason will only be determined at the discretion of the Head Teacher, and only in extenuating circumstances. You must advise the Head Teacher as soon as possible if you know you are unable to submit the task on the due date.*
- *All appeals must be lodged within 48hrs of receipt of the task. Students who may consider an appeal are not permitted to take their task home. The original task cannot be altered in any way prior to the appeal process. See Assessment booklet for details.*