Stage 5 MATHEMATICS M EAGLES/R SINGLETON

Task Number: 1   **Notification Date:** Thursday 28th April 2022
Weight: 25%   **Due Date:** To your teacher by 3.20pm Thursday 12th May, 2022

TAKE HOME TASK

OUTCOMES ASSESSED

MA5.1-1WM uses appropriate terminology, diagrams and symbols in mathematical contexts

MA5.2-1WM selects appropriate notations and conventions to communicate mathematical ideas and solutions

MA5.2-2WM interprets mathematical or real-life situations, systematically applying appropriate strategies to solve problems

MA5.2-6NA simplifies algebraic fractions, and expands and factorises quadratic equations

MA5.3-1WM uses and interprets formal definitions and generalisations when explaining solutions and/or conjectures

MA5.1-5NA operates with algebraic expressions involving positive-integer and zero indices, and establishes the meaning of negative indices for numerical bases

MA5.2-8NA solves linear and simple quadratic equations, linear inequalities and linear simultaneous equations, using analytical and graphical techniques

MA5.3-5NA selects and applies appropriate algebraic techniques to operate with algebraic expressions

TASK DESCRIPTION

This assignment will consist of three sections as follows:

- Section 1: Number computations
- Section 2: Algebraic techniques

TASK INSTRUCTIONS

- All answers must be completed on the booklet and handed in for marking.
- Students are to complete this assignment **independently**; it is an assessment of their **own** understanding.
- You must keep a record of any assistance you seek out or receive, on the log on the next page.
- THREE hours of class time will be allocated but students are expected to spend some time at home working on their assignment.
- Students are encouraged to attempt all questions to the best of their ability.

MARKING GUIDELINES

- Marks allocated are next to each question.
- Marks are awarded for recording working out.
- Answers only will not receive full marks unless it is a 1-mark question.
- The task has a value of 123 marks

Task Mark	
Task Rank	
Accumulative Rank	

Teacher's signature: _____ R Singleton

Head Teacher's signature: _____ M Eagles

Deputy Principal's signature: _____ A Lawrence

INDEPENDENCE IN COMPLETING TASK

This assessment task is supposed to reflect your own understanding. We understand that you may need help with some questions to give it your best shot. Please fill in the log below anytime you have help from a parent, another student, or a teacher/aide.

Date	Who did you work with?	Which question/part?