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Orange High School

Honour the Past, Create the Future

### Higher School Certificate Assessment Task Cover Sheet

**Student Name:**

**Subject:** Mathematics Advanced **Year:** Year 11 - Preliminary **Teacher:** Mrs Beeby & Mr Lummis

**Assessment Task Number (As per Assessment Policy booklet):** 1

**Assessment Task Title:** In Class Test with Notes

**Assessment Weighting:** 30%

**Date Distributed:** Monday 22rd February, 2021 **Date Due:** Friday 12<sup>th</sup> March, 2021 (Week 7, Term 1)

*All Higher School Certificate Assessment Tasks, other than in-class tasks, must be handed in at the library between 8.30am and 8.55am (before the first morning bell) on the due date. Zero marks if the Assessment Task is submitted late, unless an Illness/Misadventure or application for extension form has been submitted.*

#### Comments by Teacher: (in class test – double period)

You will be assessed on all work associated with Algebraic Techniques (Chapter 1 Grove), and Equations and Inequalities (Chapter 2 Grove). This includes: identify and use index laws including fractional and negative indices; simplify algebraic expressions; remove grouping symbols including perfect squares and difference of two squares; factorise expressions including binomials, difference of two squares, quadratic trinomials and grouping in pairs; simplify algebraic fractions; use algebra to substitute into formulas; simplify and use surds including rationalising the denominator; solve linear equations; solve quadratic equations using 3 methods (cross method, completing the square and the quadratic formula); understand how to substitute into and rearrange formulas; and solving linear and non-linear simultaneous equations (elimination and substitution). The class teacher will let you know which exercises from the particular text are to be included in the test before the due date.

**A four page NESA formula sheet will be given out with the examination paper (also given to students at the start of the year) BUT the students will be allowed to bring into the exam, a double-sided A4, hand written sheet of notes which they consider important for the task.**

#### Syllabus Outcomes:

MA11-1, MA11-8, MA11-9

#### Assessment Criteria/Marking Rubric:

Marks for each question will be clearly shown next to each question in the test paper.

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### Higher School Certificate Assessment Submission Receipt

**Student's Name:**

**Student's Signature**

**Assessment Task Title:**

**Subject Name:**

**Class Teacher:**

**Received in the Library by:**

**Date:**