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Orange High School

Honour the Past, Create the Future

Higher School Certificate Assessment Task Cover Sheet

Student Name:

Subject: Mathematics Extension 1 Year: 12 Teacher: Miss Stevenson

Assessment Task Number (As per Assessment Policy booklet): 2

Assessment Task Title: Task 2 (In Class Test with notes) Double Period.

Assessment Weighting: 25%

Date Distributed: Wednesday 27th March 2019 Date Due: Wednesday April 10th 2019

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: Margaret Grove Year 11 text: Further Inequations, Further Graphs, Trigonometry in three Dimensions, Sums and Differences of Angles, Further Trigonometric Equations, Angle between two Lines, Ratios, Angle between 2 Curves, Properties of the Circle, Parametric Equations of the Parabola, Chords Tangents and Normals, Properties of the Parabola, Locus Problems, Polynomials 1, Permutations and Combinations.

Margaret Grove Year 12 text: Further Curve Sketching, Integration using Substitution, The Binomial Theorem. (Note: Harder Mathematics questions may be asked).

A double sided, hand written, A4 sheet of notes may be taken into the test with you. A formula sheet will be provided.

Outcomes assessed:

PE3 Solves problems involving permutations and combinations, inequalities, polynomials, circle geometry and parametric representations

PE4 Uses the parametric representation together with differentiation to identify geometric properties of parabolas

PE5 Determines derivatives which require the application of more than one rule of differentiation

PE6 makes comprehensive use of mathematical language, diagrams and notation for communicating in a wide variety of situations

HE2 Uses inductive reasoning in the construction of proofs

HE3 Uses a variety of strategies to investigate mathematical models of situations involving binomial probability

HE6 Determines integrals by reduction to a standard form through a given substitution

Higher School Certificate Assessment Submission Receipt

Student's Name:

Student's Signature

Assessment Task Title:

Subject Name:

Class Teacher:

Date:

This form is located: www.orange-h.schools.nsw.edu.au and then to the assessment tab.