

No other items may be taken into the examination room. It is **your** responsibility to ensure that you do not have any unauthorised material. If you have any unauthorised material with you, hand it to the supervisor **before** reading any further.

Important note to candidates

Special items: drawing instruments, empliates, notes on two unfolded sheets of A4 paper, and up to three calculators approved for use in this examination.

Standard items: pens (blue/black preferred), pencils (including coloured), sharpener, correction fluid/tape, eraser, ruler, highlighters

To be provided by the candidate

Formula sheet (relating from Section One)

This Question/Answer booklet

To be provided by the supervisor

Materials required/recommended for this section

Reading time before commencing work: ten minutes
Working time: one hundred minutes

Time allowed for this section

Your Teacher's Name _____

Your Name _____

MATHEMATICS **UNIT** **Section Two:** **Calculator-assumed**

Question/Answer booklet

2018

Semester Two Examination,

INDEPENDENT PUBLIC SCHOOL

Exceptional schooling. Exceptional students.

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Structure of this paper

Section	Number of questions available	Number of questions to be answered	Working time (minutes)	Marks available	Percentage of examination
Section One: Calculator-free			50		35
Section Two: Calculator-assumed			100		65
Total					100

Instructions to candidates

1. The rules for the conduct of the Western Australian Certificate of Education ATAR course examinations are detailed in the *Year 12 Information Handbook 2016*. Sitting this examination implies that you agree to abide by these rules.
2. Write your answers in this Question/Answer booklet.
3. You must be careful to confine your answers to the specific questions asked and to follow any instructions that are specific to a particular question.
4. Additional pages for the use of planning your answer to a question or continuing your answer to a question have been provided at the end of this Question/Answer booklet. If you use the space to continue an answer, indicate in the original answer space where the answer is continued, i.e. give the page number.
5. **Show all your working clearly.** Your working should be in sufficient detail to allow your answers to be checked readily and for marks to be awarded for reasoning. Incorrect answers given without supporting reasoning cannot be allocated any marks. For any question or part question worth more than two marks, valid working or justification is required to receive full marks. If you repeat any question, ensure that you cancel the answer you do not wish to have marked.
6. It is recommended that you **do not use pencil**, except in diagrams.
7. The Formula sheet is **not** to be handed in with your Question/Answer booklet.

(x marks)

(x mark)

(x marks)

(x marks)

(c) Question here

(b) Question here

(a) Question here

Question 10

(x marks)

(x marks)

(x marks)

(b) Question here

(a) Question here

Question 9

(x marks)

(x marks)

(x marks)

(x marks)

(c) Question here

(b) Question here

(a) Question here

Question 8

Spare pages are included at the end of this booklet. They can be used for planning your responses and/or as additional space if required to continue an answer.

Planning: If you use the spare pages for planning, indicate this clearly at the top of the page.

Continuing an answer: If you need to use the space to continue an answer, indicate this clearly at the top of the page.

Original answer space: Give the page number. Fill in the original answer space where the answer is continued, i.e. give the page number.

Number of the question that you are continuing to answer at the top of the page.

Working time: 100 minutes.

(100 Marks)

Section Two: Calculator-assumed

This section has **XX** questions. Answer all questions. Write your answers in the spaces provided.

Question 11

(a) Question here

(x marks)

Additional working space

(b) Question here

(x marks)

Question number: _____

(c) Question here

(x marks)

Question 12

Question here

(x marks)

(x marks)

Question 13

(a) Question here

(x marks)

(b) Question here

(x marks)

(c) Question here

(x marks)

Question 14

(a) Question here

(x marks)

(x mark)

(b) Question here

(x marks)

(c) Question here

(x marks)

(x marks)

(e) Question here

(x mark)

(d) Question here

(x marks)

(c) Question here

(x marks)

(b) Question here

(x marks)

(a) Question here

Question 16

(x marks)

(b) Question here

(x marks)

(b) Question here

(x marks)

(a) Question here

Question 15

(x marks)

Question 17

(a) Question here

(x marks)

(b) Question here

(x marks)

(c) Question here

(x marks)

(d) Question here

(x marks)

(e) Question here

(x marks)

Question 18

(a) Question here

(x marks)

(b) Question here

(x marks)

Question number: _____