

Centre Number						Candidate Number				
Surname										
Other Names										
Candidate Signature										



General Certificate of Secondary Education
Higher Tier
November 2012

Mathematics

43601H

Unit 1

Tuesday 6 November 2012 9.00 am to 10.00 am

H

<p>For this paper you must have:</p> <ul style="list-style-type: none"> • a calculator • mathematical instruments. 	
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For Examiner's Use	
Examiner's Initials	
Pages	Mark
2 - 3	
4 - 5	
6 - 7	
8 - 9	
10 - 11	
12 - 13	
14 - 15	
16	
TOTAL	

Time allowed

- 1 hour

Instructions

- Use black ink or black ball-point pen. Draw diagrams in pencil.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 54.
- The quality of your written communication is specifically assessed in Questions 7 and 10. These questions are indicated with an asterisk (*).
- You may ask for more answer paper and graph paper. These must be tagged securely to this answer book.

Advice

- In all calculations, show clearly how you work out your answer.



N 0 V 1 2 4 3 6 0 1 H 0 1

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Answer **all** questions in the spaces provided.

1 In a college canteen students can choose

a starter and a main course

or

a main course and a pudding.

Starter	Main Course	Pudding
Soup	Curry Burger Pasta	Jelly Fruit

1 (a) One combination is soup and curry.

How many different combinations are there?

$$(1 \times 3) + (3 \times 2) = 3 + 6 = 9$$

Answer 9

(2 marks)

