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| <b>Pearson Edexcel Level 3 GCE</b>                                                        |                      |                      |                      |                      |                      |                      |                      |
| <b>Thursday 25 May 2023</b>                                                               |                      |                      |                      |                      |                      |                      |                      |
| Afternoon<br>(Time: 1 hour 30 minutes)                                                    |                      |                      |                      | Paper reference      |                      | <b>9FM0/01</b>       |                      |
| <b>Further Mathematics</b><br><b>Advanced</b><br><b>PAPER 1: Core Pure Mathematics 1</b>  |                      |                      |                      |                      |                      |                      |                      |
| <b>You must have:</b><br>Mathematical Formulae and Statistical Tables (Green), calculator |                      |                      |                      |                      |                      | Total Marks          |                      |

Candidates may use any calculator permitted by Pearson regulations. Calculators must not have the facility for algebraic manipulation, differentiation and integration, or have retrievable mathematical formulae stored in them.

#### Instructions

- Use **black** ink or ball-point pen.
- If pencil is used for diagrams/sketches/graphs it must be dark (HB or B).
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions and ensure that your answers to parts of questions are clearly labelled.
- Answer the questions in the spaces provided  
– *there may be more space than you need.*
- You should show sufficient working to make your methods clear. Answers without working may not gain full credit.
- Inexact answers should be given to three significant figures unless otherwise stated.

#### Information

- A booklet 'Mathematical Formulae and Statistical Tables' is provided.
- There are 8 questions in this question paper. The total mark for this paper is 75.
- The marks for **each** question are shown in brackets  
– *use this as a guide as to how much time to spend on each question.*

#### Advice

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.

Turn over ➤



# May 2013 Core Mark Scheme

**Yijin Wang**



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