

# MEI Structured Mathematics

OCR Advanced GCE Unit 4776 Numerical Methods  
 Coursework Assessment Form

**Task:** Candidates are expected to investigate a problem which is suitable for numerical solution, using one of the methods in the specification.

<b>Coursework Title</b>				<b>Date</b>		
<b>Candidate Name</b>			<b>Candidate number</b>			
<b>Centre Name</b>			<b>Centre number</b>			
<b>Domain</b>	<b>Mark</b>	<b>Description</b>			<b>Comment</b>	<b>Mark</b>
Problem specification	1	An appropriate problem is identified.				
	1	There is a correct explanation of why it is appropriate for numerical solution.				
Strategy	1	An appropriate procedure is used.				
	1	The candidate explains why the procedure to be adopted is appropriate to the problem.				
Formula application	1	There is an application of routine algorithms and methods, which is at least partially correct.				
	1	There is a substantial application of routine algorithms and methods which is largely correct.				
	1	The application is fully correct.				
Use of technology	1	Appropriate use is made of calculator or computer software.				
	1	It is clearly explained.				
Error analysis	1	There is a competent analysis of errors, but it may be brief.				
	1	The analysis is developed for the particular problem, either from theoretical formulae or iteration of methods to achieve convergence.				
	1	This development leads to an improved solution.				
Interpretation	1	The solution is clearly expressed.				
	1	The solution is produced to a high degree of accuracy (e.g. 6 significant figures).				
	1	In addition there is a discussion of the validity of the solution.				
	1	Possible limitations are identified.				
Oral Communication	2	Presentation		Please tick at least one box and give a brief report.		
		Interview				
		Discussion				
Half marks may be awarded but the overall total must be an integer					<b>TOTAL/18</b>	
Please report overleaf on any help that the candidate has received beyond the guidelines						

**Coursework must be available for moderation by OCR**

## INSTRUCTIONS FOR COMPLETION OF THIS FORM

- 1 One form should be used for each candidate.
- 2 Please ensure that the relevant information is provided in the spaces at the top of the form.
- 3 Enter comments and mark awarded for each domain in the relevant boxes. Half marks are permissible, but the overall total out of 18 (see point 4) must be an integer.
- 4 Add up the marks awarded for all the domains to give an overall total out of 18. Enter this total in the relevant box.