ADVANCED SUBSIDIARY GCE

MATHEMATICS (MEI) **4752**

Concepts for Advanced Mathematics (C2)
INSERT for Questions 5 and 12

Tuesday 13 January 2009
Morning

Duration: 1 hour 30 minutes

4752

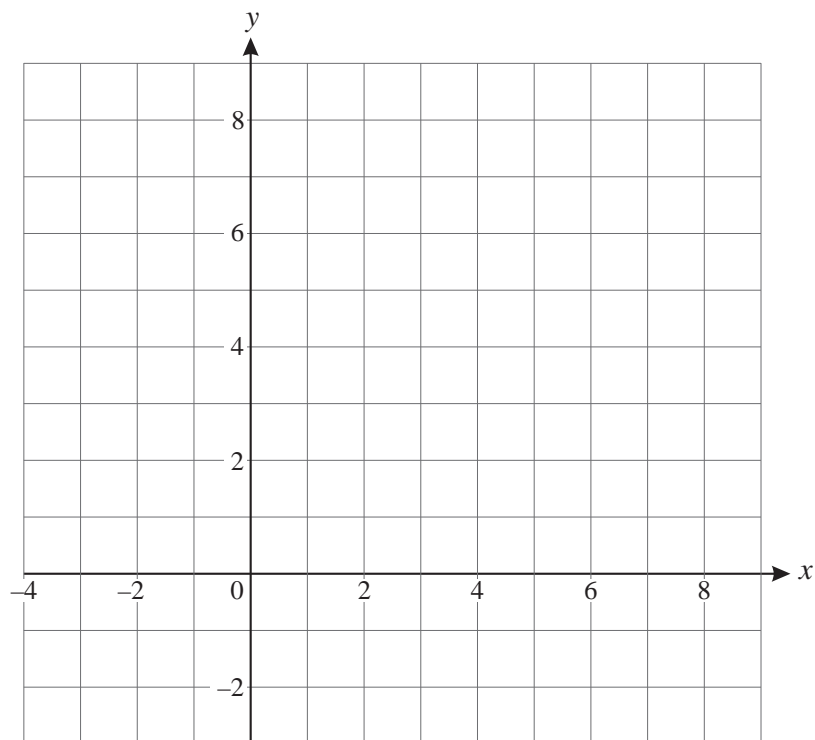| Candidate Forename						Candidate Surname					
Centre Number						Candidate Number					

INSTRUCTIONS TO CANDIDATES

*   Write your name clearly in capital letters, your Centre Number and Candidate Number in the boxes above.
*   Use black ink. Pencil may be used for graphs and diagrams only.
*   This insert should be used to answer Question **5** and Question **12** part **(ii)**.
*   Write your answers to Question **5** and Question **12** part **(ii)** in the spaces provided in this insert, and **attach it to your Answer Booklet**.
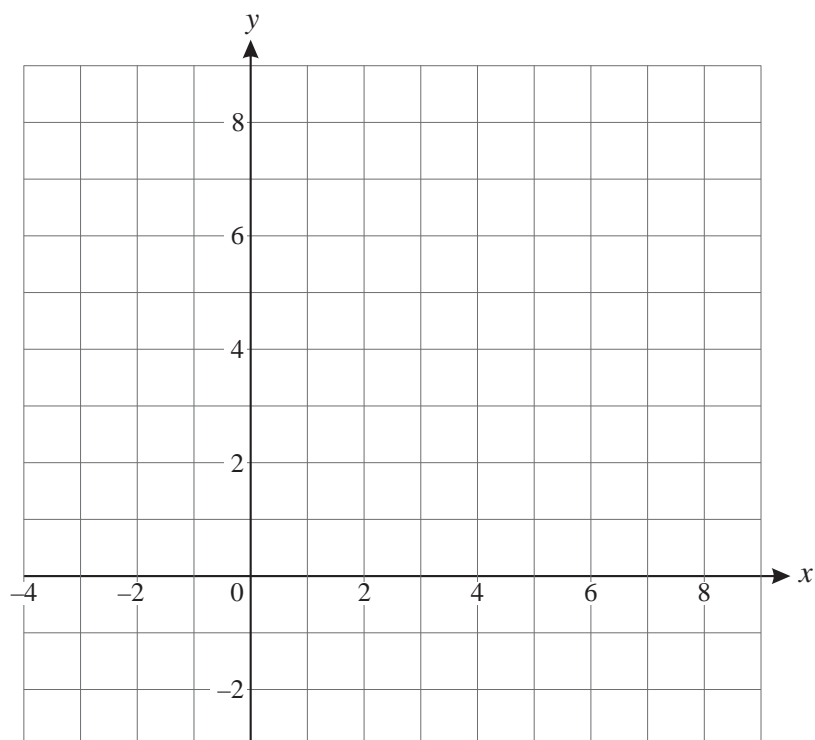
INFORMATION FOR CANDIDATES

*   This document consists of **4** pages. Any blank pages are indicated.

OCR is an exempt Charity

Turn over

2

5 **(i)** $y = f(x - 2)$

(ii) $y = 3f(x)$

12 (ii)

Years after proposal accepted (t)	1	2	3	4	5
Cost (£y million)	250	300	360	440	530
$\log_{10} y$	2.398				