

Free-Standing Mathematics Qualification  
June 2008  
Advanced Level



**WORKING WITH ALGEBRAIC AND  
GRAPHICAL TECHNIQUES  
Unit 11**

**6991/2PM**

**PRELIMINARY MATERIAL**

**DATA SHEET**

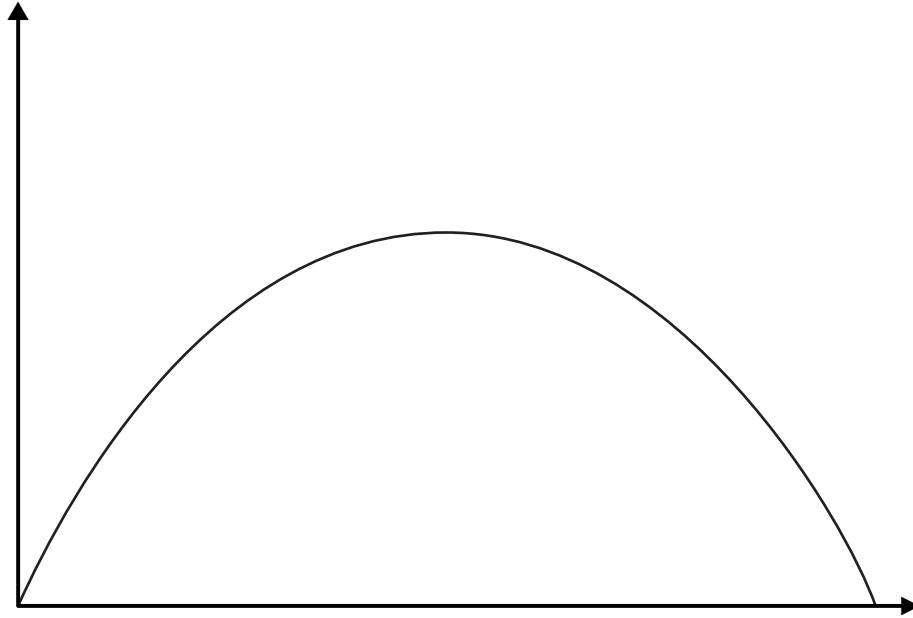
**To be issued to candidates between Tuesday 29 April 2008  
and Tuesday 6 May 2008**

**REMINDER TO CANDIDATES**

YOU MUST **NOT** BRING THIS DATA SHEET  
WITH YOU WHEN YOU SIT THE EXAMINATION.  
A CLEAN COPY WILL BE MADE AVAILABLE.

**Ticket sales**

Tickets are sold at a pop concert. The graph shows the number of tickets sold each day up to the date of the concert.

**Car efficiency**

The fuel consumption of a car is measured at various speeds.

<b>Speed (miles per hour)</b>	90	80	70	60	50	40	30
<b>Fuel consumption (miles per gallon)</b>	26	30	35	40	50	63	85

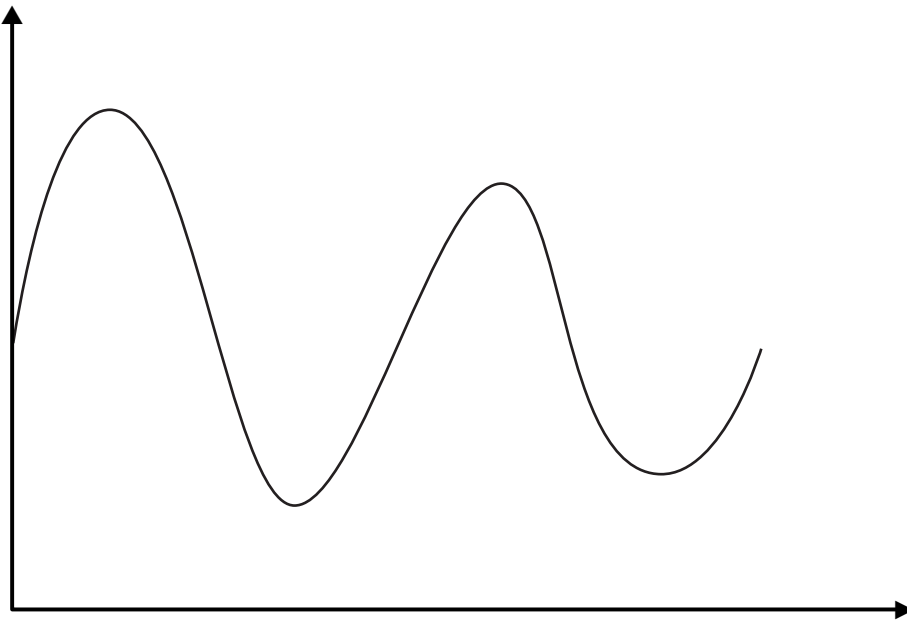
**Airport growth**

The number of passengers using an airport is recorded each year.  
The results for some years are shown.

Year	1990	1995	2000	2005
Number of passengers (millions)	10.2	13.2	17.1	22.1

**Tides**

The graph shows the height of the tide during a 24-hour period in Blyth harbour.



**END OF DATA SHEET**

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