# MME

## GCSE MATHEMATICS

### **Turning Points of Graphs**

Please write clearly in block capitals

Forename:

Surname:

#### Materials

For this paper you must have:

mathematical instruments

You *can* use a calculator.



#### Instructions

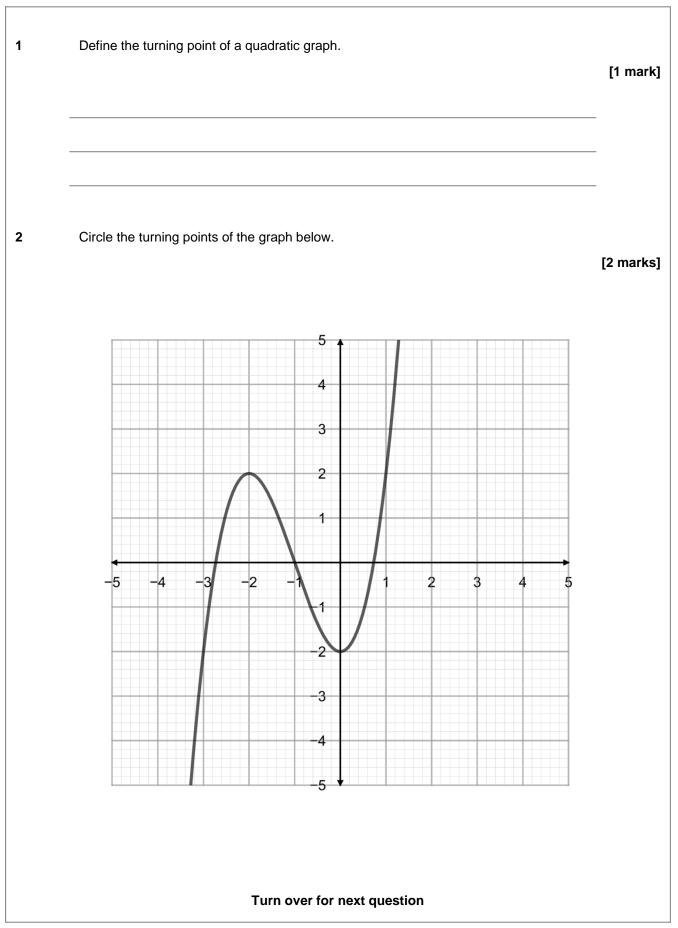
- Use black ink or black ball-point pen. Draw diagrams in pencil.
- Fill in the boxes at the top of this page.
- · Answer all questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

#### Information

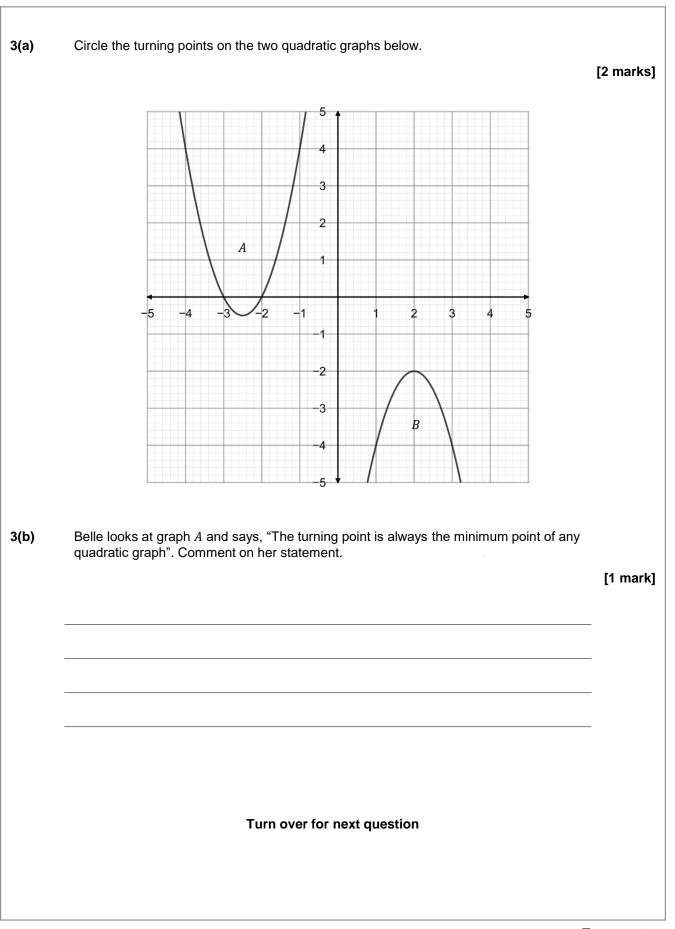
- · The marks for questions are shown in brackets.
- You may ask for graph paper, tracing paper and more answer paper. These must be tagged securely to this answer book.

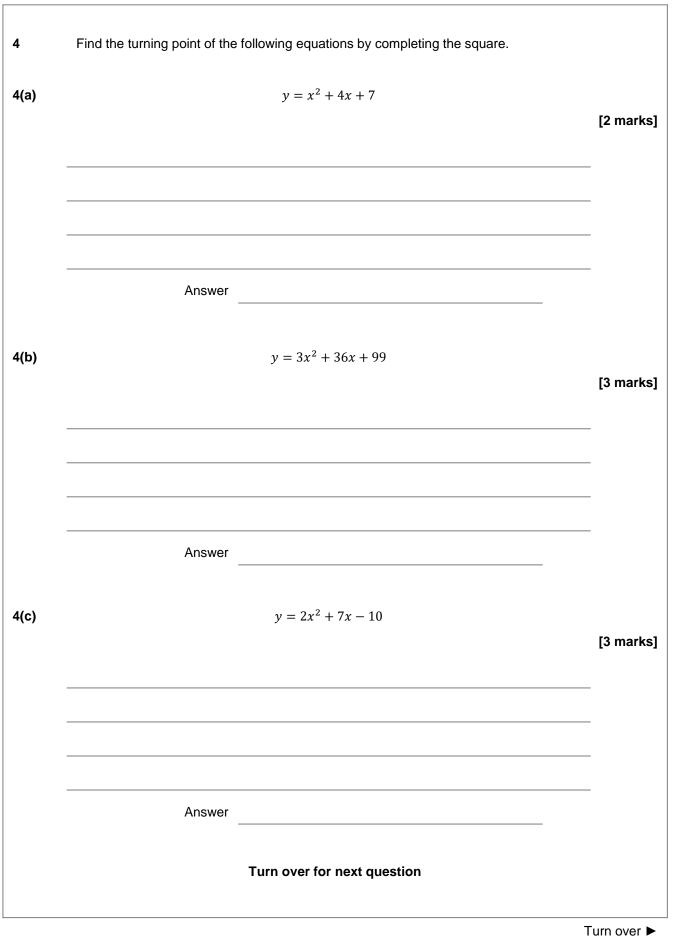
#### Advice

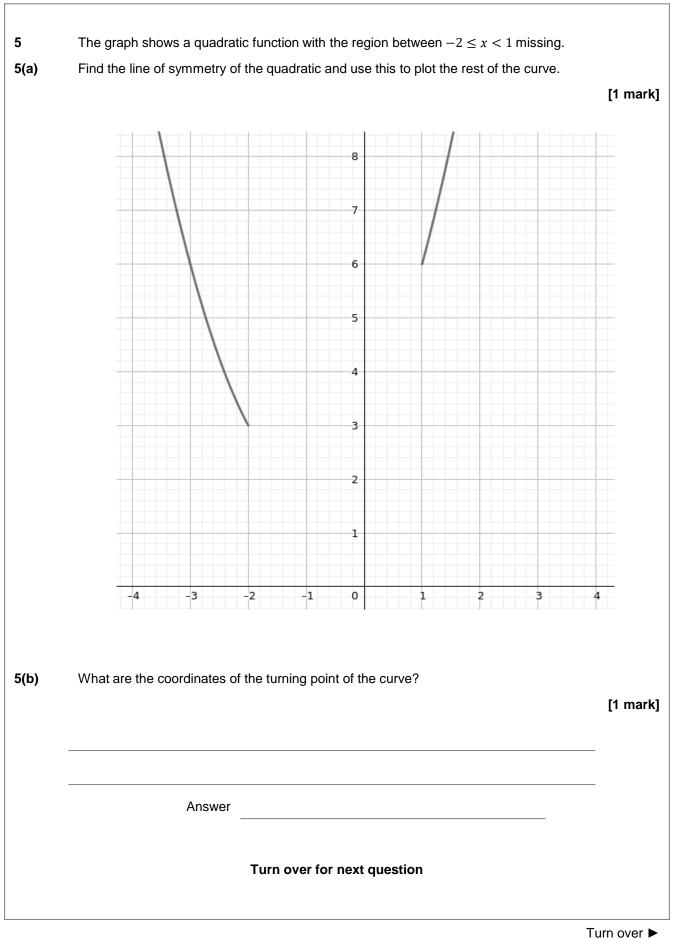
· In all calculations, show clearly how you work out your answer.



Turn over ►







	6	
6	Given that:	
	f(x) = x - 4	
	$g(x) = x^2$	
6(a)	Find the turning point of each curve and comment on them with relation to $f(x)$ .	
	fg(x):	
		[2 marks]
	Answer	
- // >		
6(b)	gf(x):	[2 marks]
	Answer	
6(c)	Comment on your answers	
0(0)		[1 mark]
	End of Questions	
		END