

Please write clearly in block capitals

# GCSE MATHEMATICS

AQA | Edexcel | OCR | WJEC

(Level 3 - 5)

# Corresponding Angles & Alternate Angles

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.

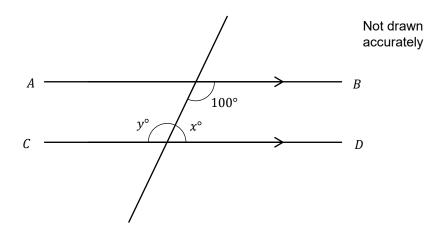
### **Advice**

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

1 In the diagram below, AB is parallel to line CD. (Level 3) Not drawn accurately 105° 1(a) Find the value of xGive a reason for your answer. [2 marks] Answer Find the value of y1(b) Give a reason for your answer. [2 marks] Answer Turn over for next question

\_\_

2 In the diagram below, AB is parallel to line CD. (Level 3)



2(a) Find the value of x

Give a reason for your answer.

[2 marks]

Answer

2(b) Find the value of y

Give a reason for your answer.

[2 marks]

Answer



## MathsMadeEasy Revision App

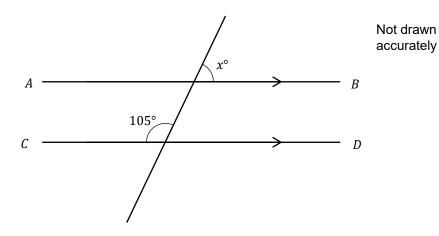
- ✓ Video revision for every GCSE Maths topic
- Thousands of practice questions
- Online Mock Exams with video solutions

Try it now at mme.la/app or scan the barcode



Turn over ▶

3 In the diagram below, AB is parallel to line CD. (Level 3)



Find the value of x

Give a reason for your answer.

[3 marks]

Answer



### **GCSE Maths Revision Cards**

- Higher and foundation
- All exam boards AQA, OCR, Edexcel, WJEC

Get them at mme.la/cards or scan the barcode



Turn over ▶

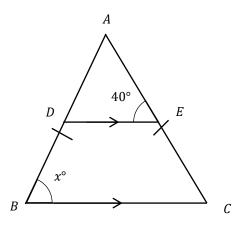
	3	
In t	the diagram below, $AB$ is parallel to line $CD$ and $EF$ .	(Level 3)
	Not drawn accurately	
	$A \longrightarrow \begin{array}{c} 78^{\circ} \\ \end{array}$	
	$C \longrightarrow D$	
	$E \longrightarrow F$	
Fin	nd the value of $\boldsymbol{x}$	
	ive a reason for each step of your answer.	
		[3 marks]
		_
		_
		_
		_
		_
	Answer	

Turn over for next question

3

5 ABC is an isosceles triangle shown below Lines DE and BC are parallel AB = AC

(Level 4)



Not drawn accurately

Find the value of x

Give a reason for each step of your answer.

[3 marks]

Λκ	0014/0	.,
Αſ	ารพย	16



# **GCSE Maths Practice Exam Papers**

- Paper 1, 2, 3 and mark scheme in every set
- All exam boards AQA, OCR, Edexcel, WJEC

Get them at mme.la/papers or scan the barcode



NW-KID.

\_ \_

6	The diagram below shows two parallel lines and a rectangle	(Level 4)
	AB = FE	
	BCED is a rectangle	
	$\angle ABD = 50^{\circ}$	
	$\angle DEF = x^{\circ}$	
	B Not drawr accurately	
	A 50°	
	$\searrow c$	
	D	
	$x^{\circ}$	
	$F \longrightarrow E$	
	Find the value of x	
	Give a reason for each step of your answer.	
		[2 marks]

End of questions

Answer