



JP Maths

Revision



Attempt the paper
before watching the
solutions!

[https://www.youtube.com/
@JPMathsRevision](https://www.youtube.com/@JPMathsRevision)



FOUNDATION / HIGHER TIER

Angles in parallel lines



INSTRUCTIONS

- Use **black ink** or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided – *there may be more space than you need.*
- You must **show all your working**.
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- If your calculator does not have a π button, take the value of π to be 3.142 unless the question instructs otherwise.



INFORMATION

- The marks for **each** question are shown in brackets– *use this as a guide as to how much time to spend on each question.*



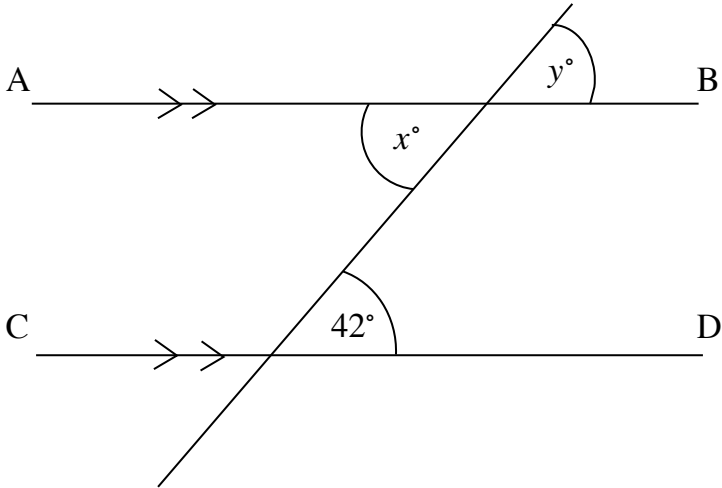
ADVICE

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.



You've got this! 

1. AB and CD are parallel lines.



(a) Write down the size of the angle marked x° .

.....
(1)

(b) Give reason for your answer.

.....
.....
(1)

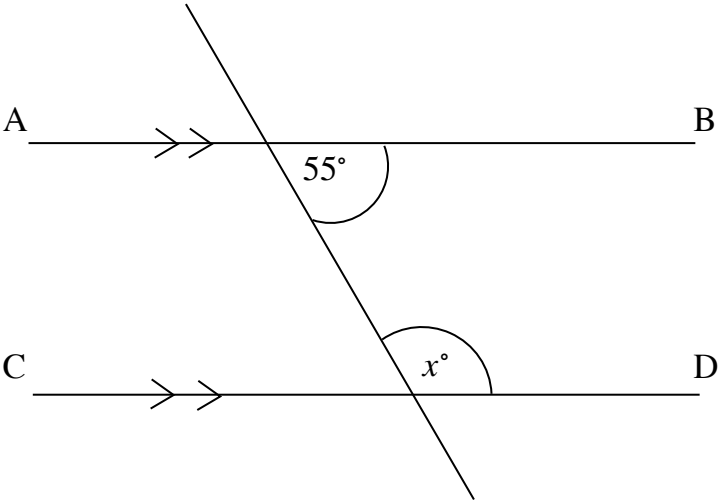
(c) Write down the size of the angle marked y° .

.....
(1)

(d) Give reason for your answer.

.....
.....
(1)

2. AB and CD are parallel lines.



(a) Write down the size of the angle marked x° .

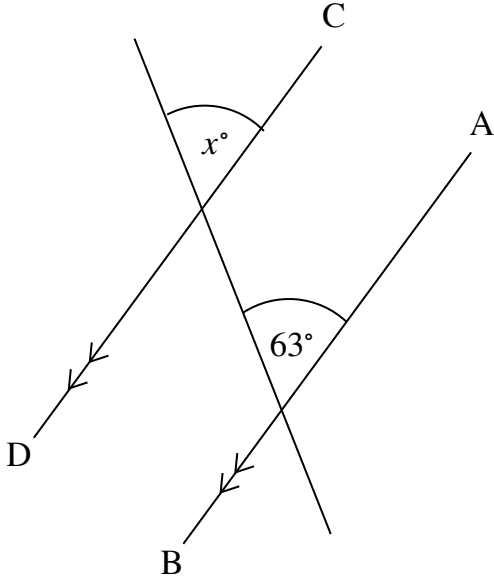
.....
(1)

(b) Give reason for your answer.

.....
.....
(1)

(Total for Question 2 is 2 marks)

3. AB and CD are parallel lines.



(a) Write down the size of the angle marked x° .

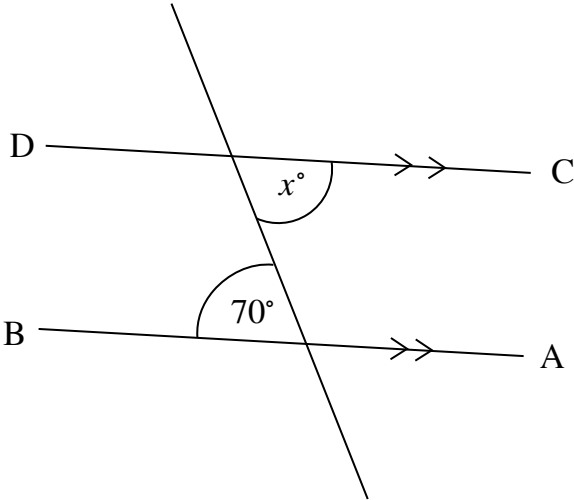
.....
(1)

(b) Give reason for your answer.

.....
.....
(1)

(Total for Question 3 is 2 marks)

4. AB and CD are parallel lines.



(a) Write down the size of the angle marked x° .

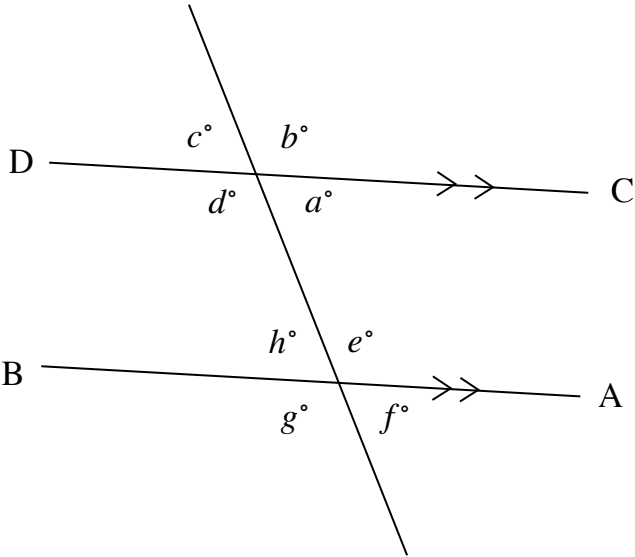
.....
(1)

(b) Give reason for your answer.

.....
.....
(1)

(Total for Question 4 is 2 marks)

5. AB and CD are parallel lines.



(a) Which angle is alternate to angle d?

.....
(1)

(b) Which angle is corresponding to angle b?

.....
(1)

(c) Which angle is co-interior to angle a?

.....
(1)

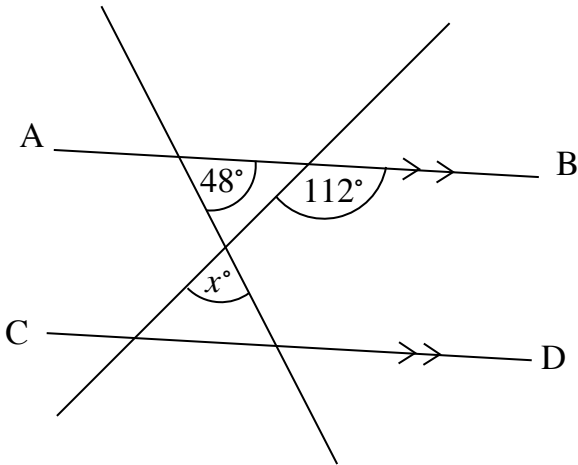
(d) Which angle is vertically opposite angle h?

.....
(1)

(e) Which angle is corresponding to angle g?

.....
(1)

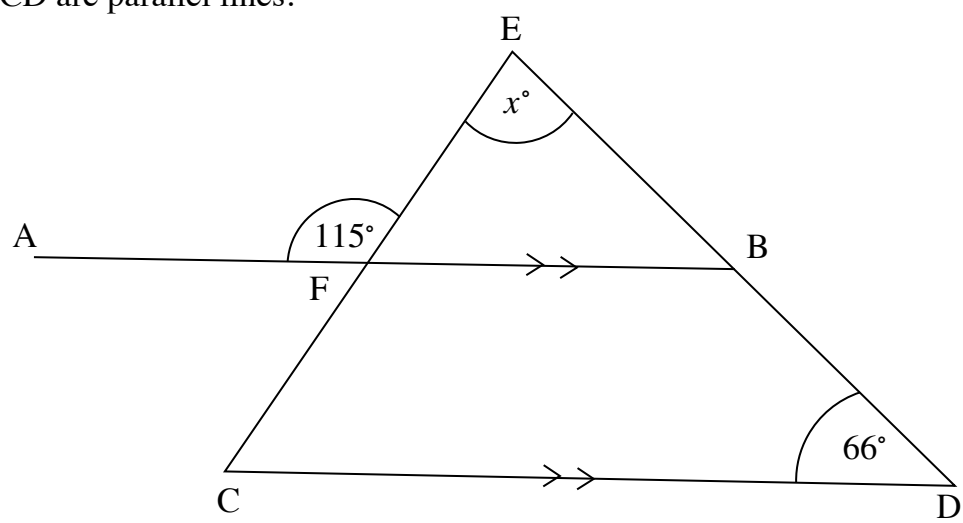
6. AB and CD are parallel lines.



Work out the size of the angle marked x° .

Give reasons for your answer.

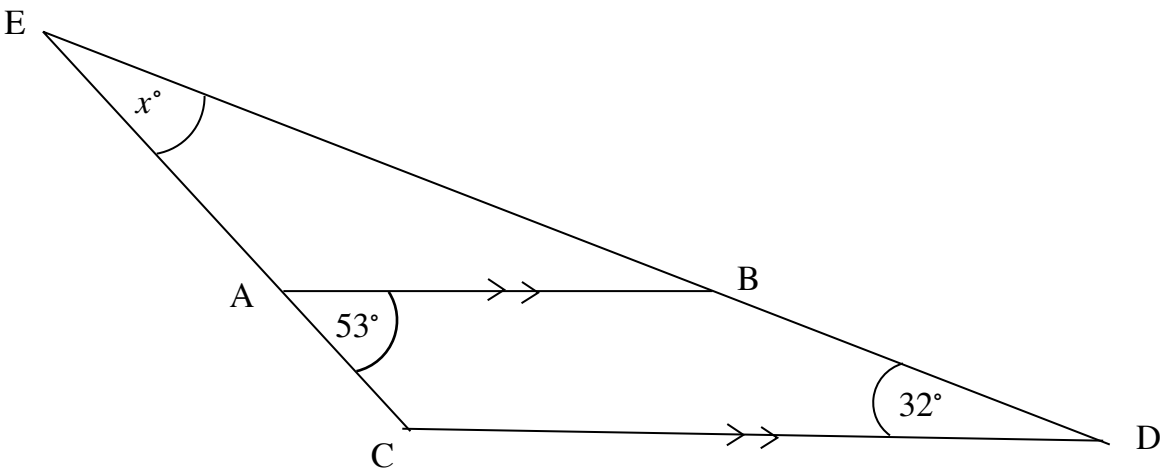
7. AB and CD are parallel lines.



Work out the size of the angle FEB.

Give reasons for your answer.

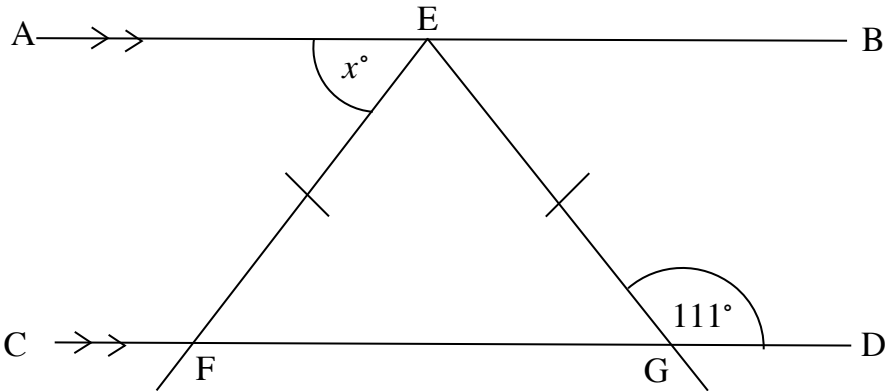
8. AB and CD are parallel lines.



Work out the size of the angle AEB.

Give reasons for your answer.

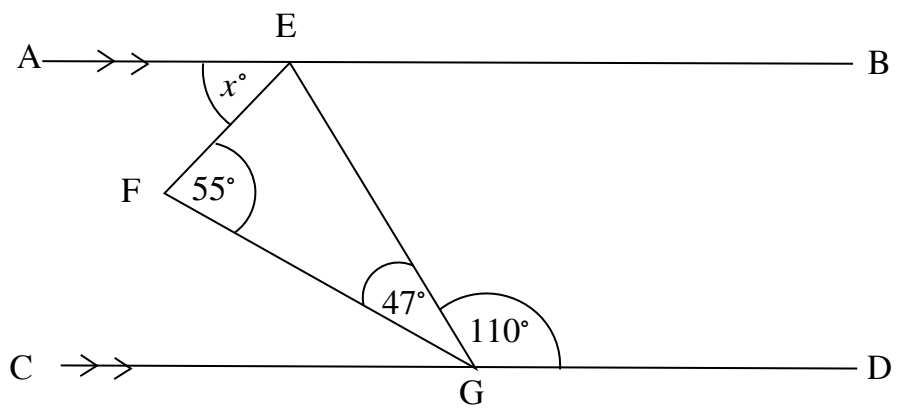
9. AB and CD are parallel lines.



Work out the size of the angle AEF.

Give reasons for your answer.

10. AB and CD are parallel lines.



Work out the size of the angle AEF.

Give reasons for your answer.

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