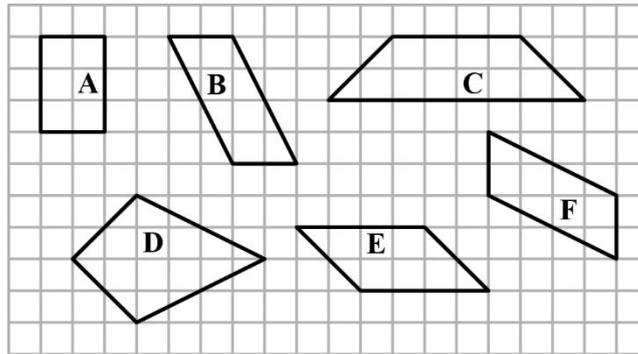


NAME _____

Time:

Non-Calculator Questions

1 Here are six quadrilaterals on a grid of squares.



- a Two of the quadrilaterals are congruent.
Write down the letters of these two shapes.

(1 mark)



- b Write down the letter of the quadrilateral that is a kite.

(1 mark)

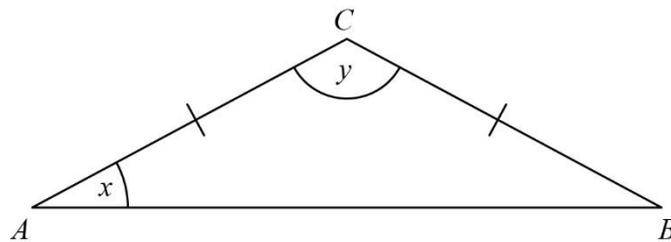


- c Write down the special name for quadrilateral C.

(1 mark)

3 The diagram shows triangle ABC .

$AC = BC$



- a Write down the mathematical name for a triangle with exactly two equal sides.

(1 mark)



Unit 6F Angles (Phase 1) CONSOLIDATION and REVISION

b Measure the size of the angle marked x .

(1 mark)

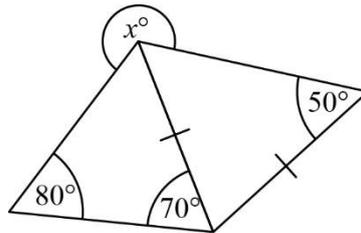


c Write down the special name for the angle marked y .

(1 mark)



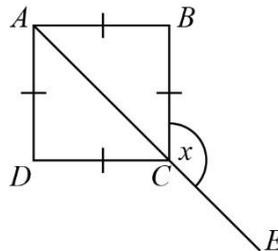
5 Work out the value of x .



(3 marks)



7 $ABCD$ is a square.



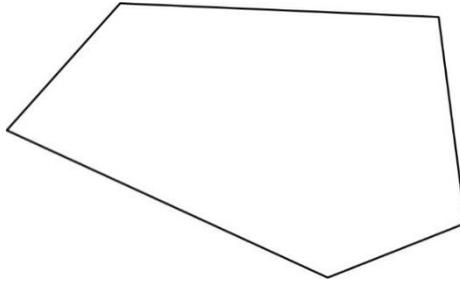
The line AC is the diagonal of the square and is extended to point E .

Explain why $x = 135^\circ$.

(4 marks)



9



The sum of the angles of a triangle is 180° .

Use this fact to explain why the sum of the angles of a pentagon is 540° .

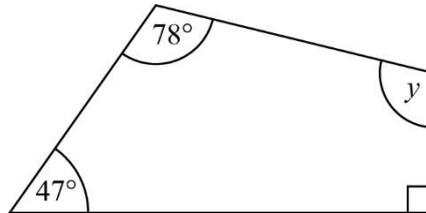
(2 marks)

NAME



Calculator Question

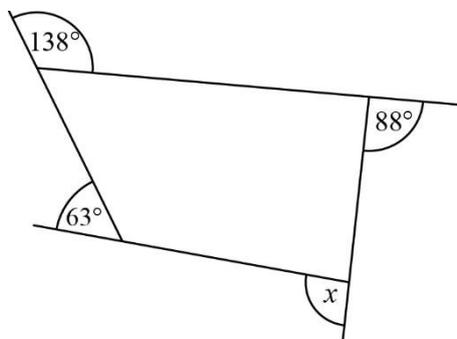
11 Work out the size of the angle marked y .



(2 marks)



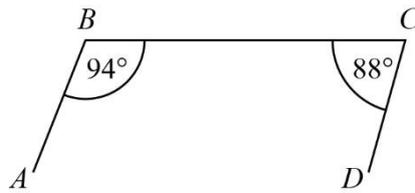
13 The diagram shows the exterior angles of a quadrilateral.



Work out the value of x .

(2 marks)

15



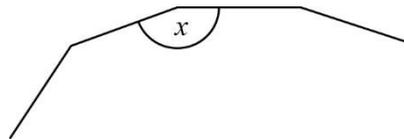
Is the line AB parallel to the line DC ?

Give a reason for your answer.

(2 marks)



17 The diagram shows part of a regular 10-sided polygon.



Work out the size of the angle marked x .

(3 marks)

Overall mark	/24
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