

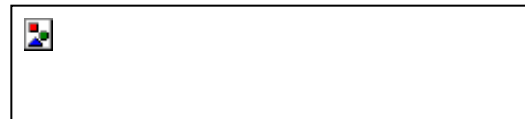
2D shapes – diagonals, obtuse, acute and right angles

Q1.

Here are five shaded triangles on a square grid.



Write the letter of each triangle that has a **right angle**.



1 mark

Write the letter of each triangle that has **two equal sides**.



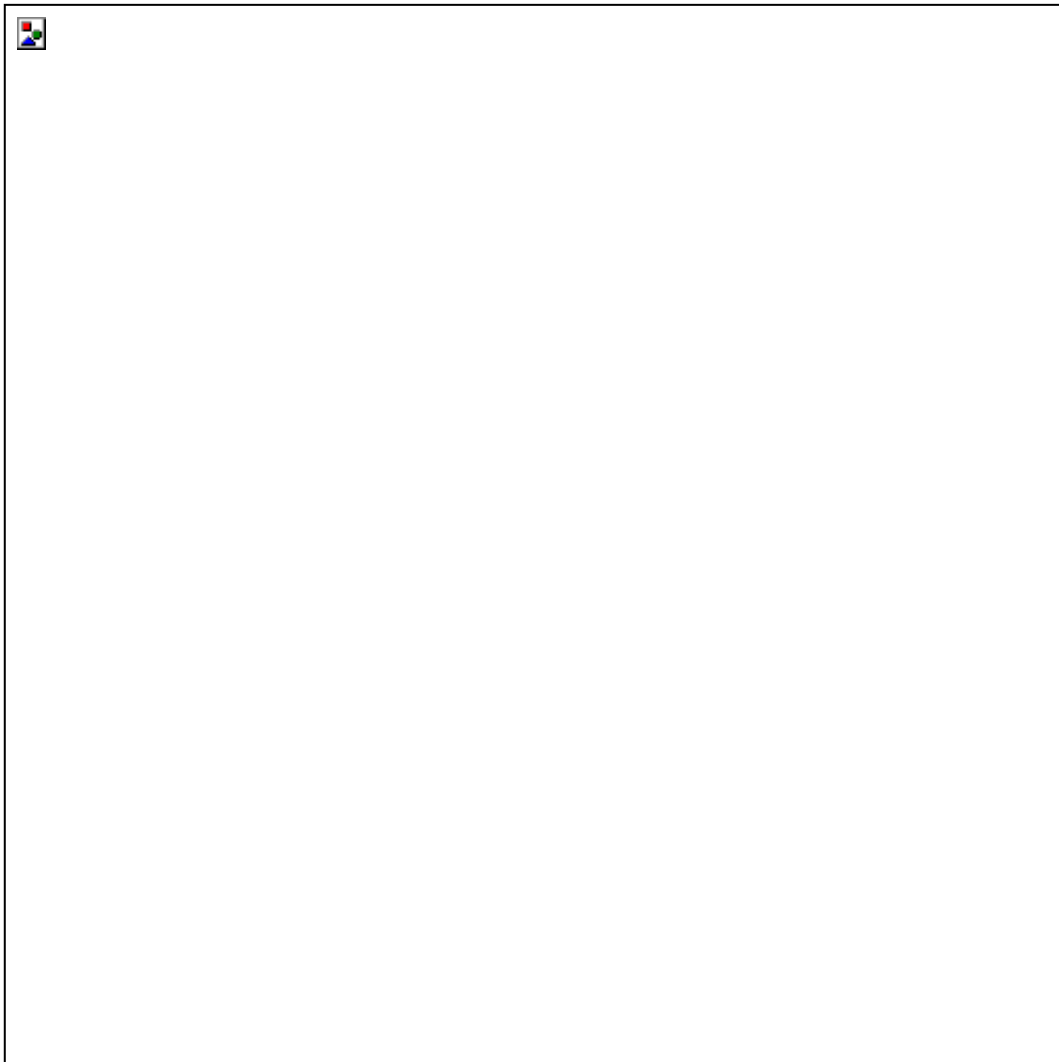
1 mark

Q2.

The diagonals of this quadrilateral cross at right angles.



Tick **all** the quadrilaterals that have diagonals which cross at right angles.

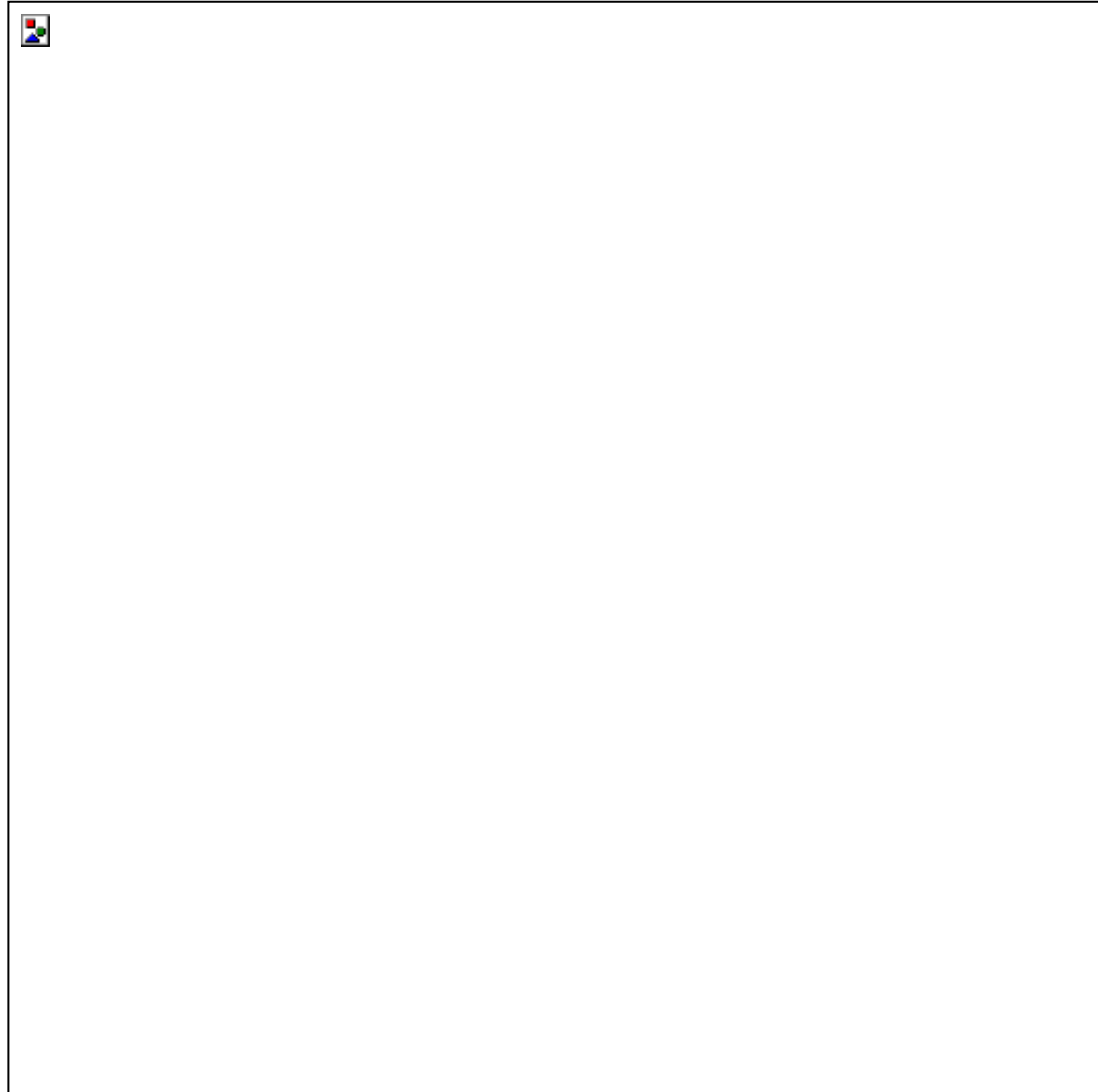


2 marks

Q3.

Here are four shapes.

They each have a different number of right angles.



Write the letter for each shape in the correct order.

One has been done for you.



1 mark

Q4.

Here are some shaded shapes on a square grid.



Write the letters of the **two** shapes which are hexagons.



1 mark

Write the letters of the **two** shapes which have **right angles**.

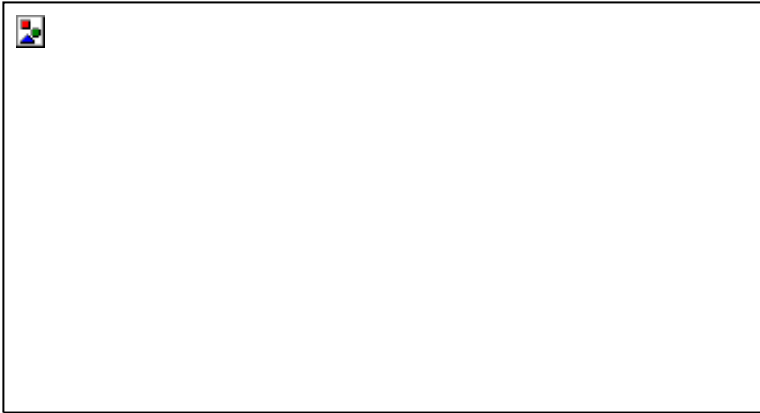


1 mark

Q5.

Look at this shape.

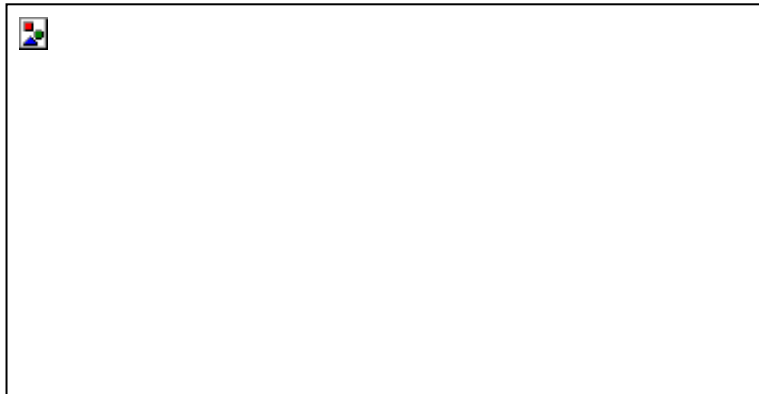
Tick (✓) each angle that is **less** than a right angle.



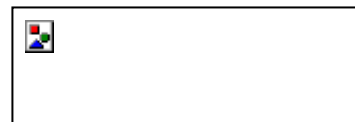
1 mark

Q6.

This diagram has four angles marked **A**, **B**, **C** and **D**.



Write the letters of the angles that are **obtuse** angles.



1 mark

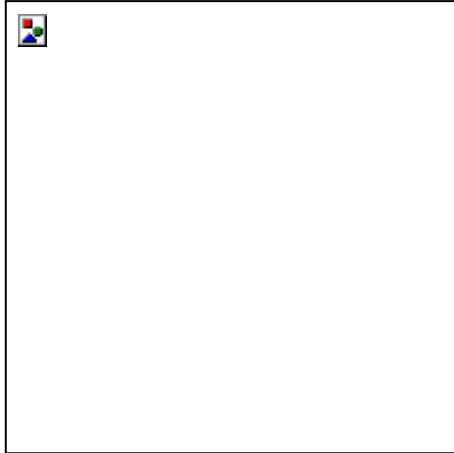
Q7.

The diagram shows a shaded octagon on a square grid.

Line **A** joins two vertices of the octagon.

Join two other vertices to draw a line **parallel** to line **A**.

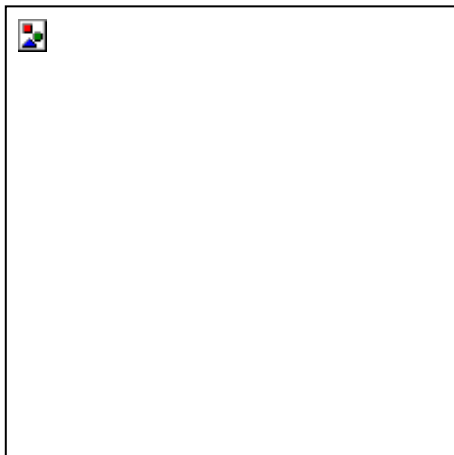
Use a ruler.



1 mark

Join two vertices to draw a line **perpendicular** to line **A**.

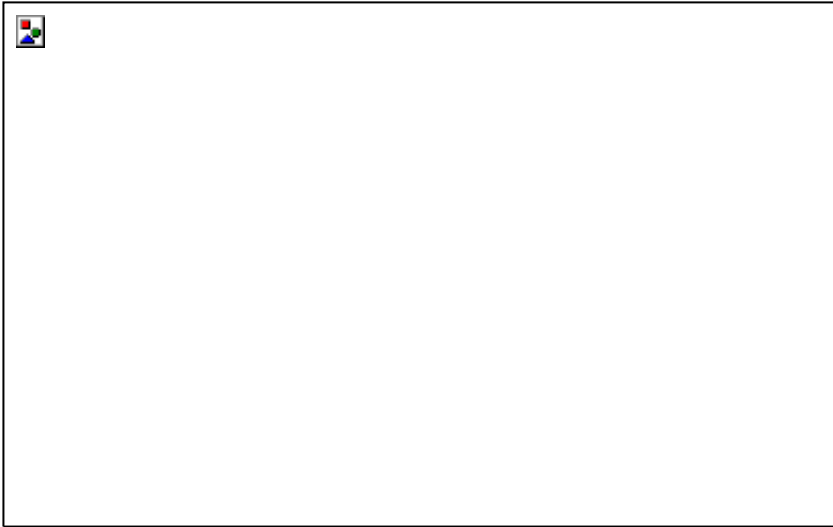
Use a ruler.



1 mark

Q8.

Here are five angles marked on a grid of squares.



Write the letters of the angles that are **obtuse**.

1 mark

Write the letters of the angles that are **acute**.

1 mark

Q9.

In this shape, one of the angles is **obtuse**.

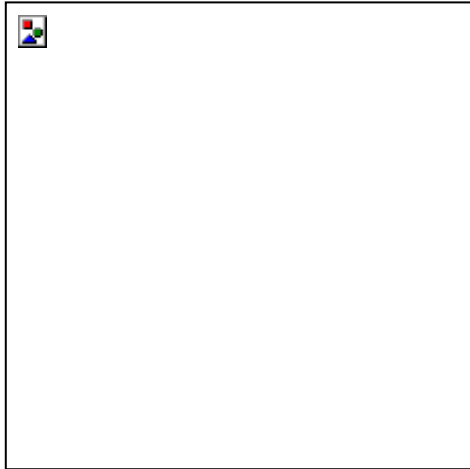
Tick (✓) the obtuse angle.



1 mark

Q10.

Join dots on the grid to make a quadrilateral that has **3 acute** angles.



1 mark

M1. (a) C **AND** D

Letters may be given in either order.

1

(b) A **AND** D

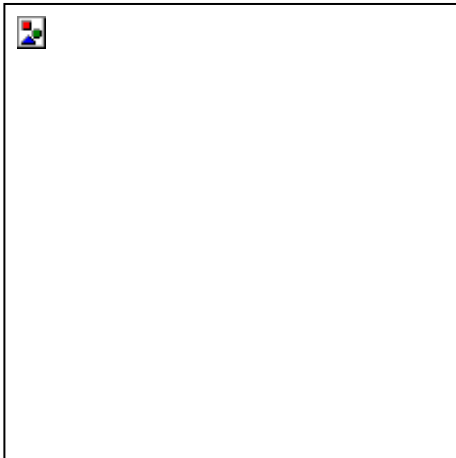
Letters may be given in either order.

1

[2]

M2.

Award **TWO** marks for both kite **AND** square ticked as shown.



If the answer is incorrect, award **ONE** mark for:

- kite **AND** square and not more than one incorrect shape ticked.

OR

- one correct shape only ticked.

Accept alternative unambiguous positive indications, e.g. shapes circled.

Up to 2m

[2]

M3. Letters written in order as shown:

fewest right angles		most right angles	
C	A	B	D

Letters must be in the correct order.

*Accept the correct number of right angles written instead of letters,
eg*

fewest right angles		most right angles	
C	2	3	4

[1]

M4. (a) B AND D

Both letters must be given.

Letters may be given in either order.

1

(b) C AND E

Both letters must be given.

Letters may be given in either order.

1

[2]

M5. Two angles ticked as shown:



Do not award the mark if additional incorrect angles are ticked.

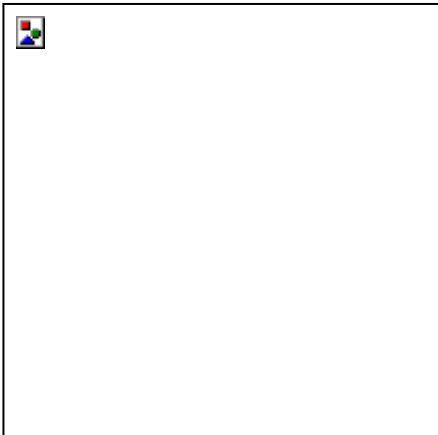
*Accept alternative unambiguous indications of the correct angles,
eg angles circled.*

M6. A AND D

Letters may be given in either order.

[1]

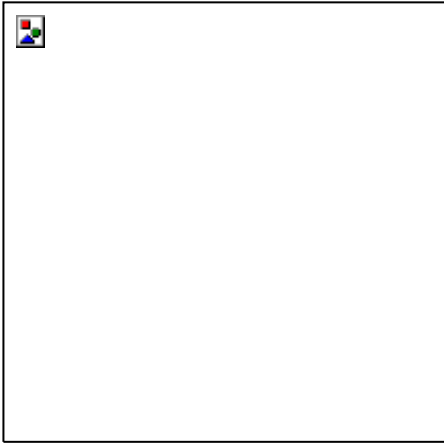
M7.(a) Line drawn parallel to A, as shown:



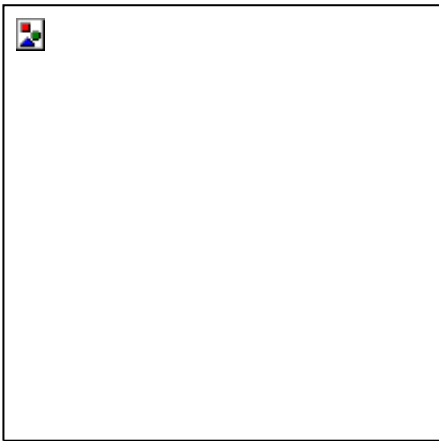
Accept slight inaccuracies in drawing, provided the intention is clear.

1

(b) Line drawn perpendicular to A, as shown:



OR



Accept slight inaccuracies in drawing, provided the intention is clear.

1

[2]

M8.

(a) **c AND e**

Letters may be given in either order.

1

(b) **a AND d**

Letters may be given in either order.

1

[2]

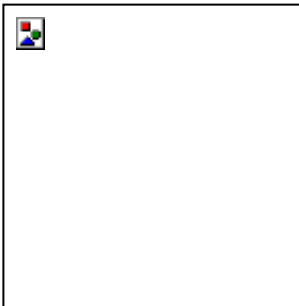
M9.Correct angle indicated as shown:



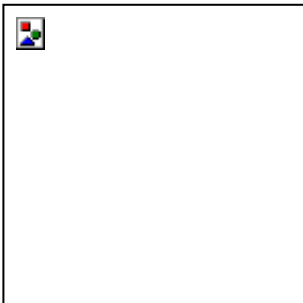
Accept alternative unambiguous indications, eg correct angle crossed or circled.

[1]

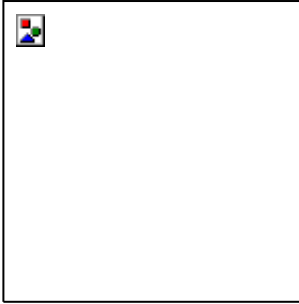
M10.A quadrilateral with three acute angles, e.g.



OR



OR



Accept inaccurate drawing provided the intention is clear.

[1]