

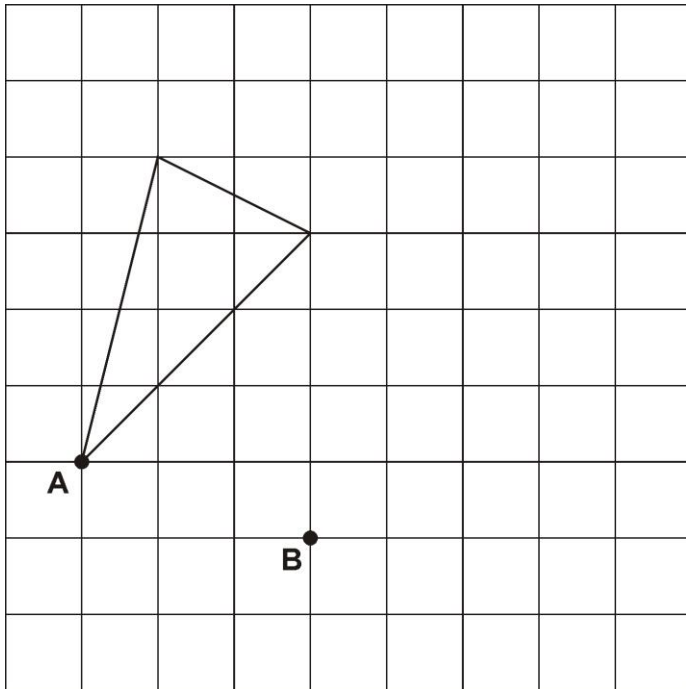
Q1.

Here is a triangle on a square grid.

The triangle is translated so that point **A** moves to point **B**.

Draw the triangle in its new position.

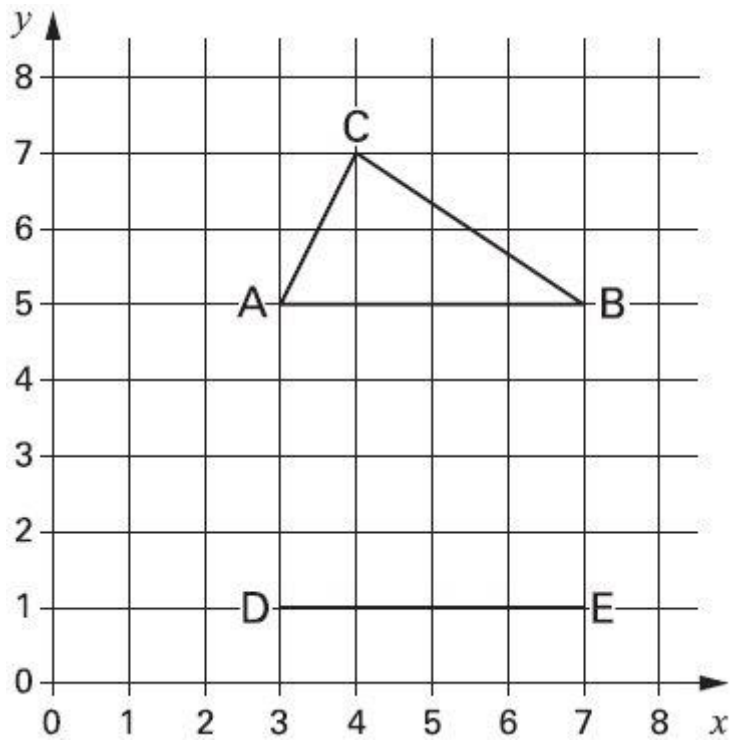
Use a ruler.



1 mark

Q2.

Kyle has drawn triangle **ABC** on this grid.



Holly has started to draw an **identical** triangle **DEF**.

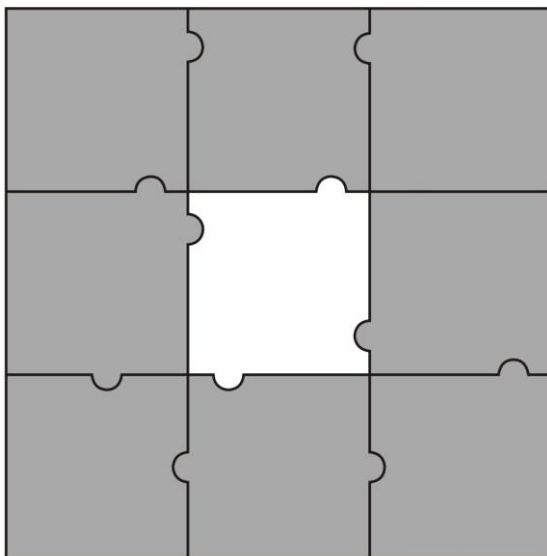
What will be the coordinates of point **F**?

(,)

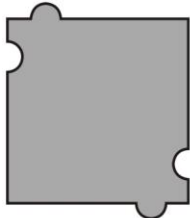
1 mark

Q3.

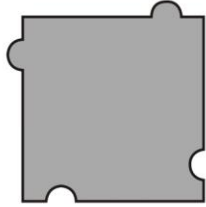
Here is a jigsaw with one piece **missing**.



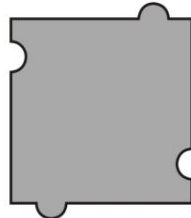
Which **one** of the pieces below fits the hole in the middle?



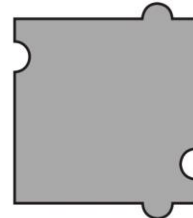
A



B



C



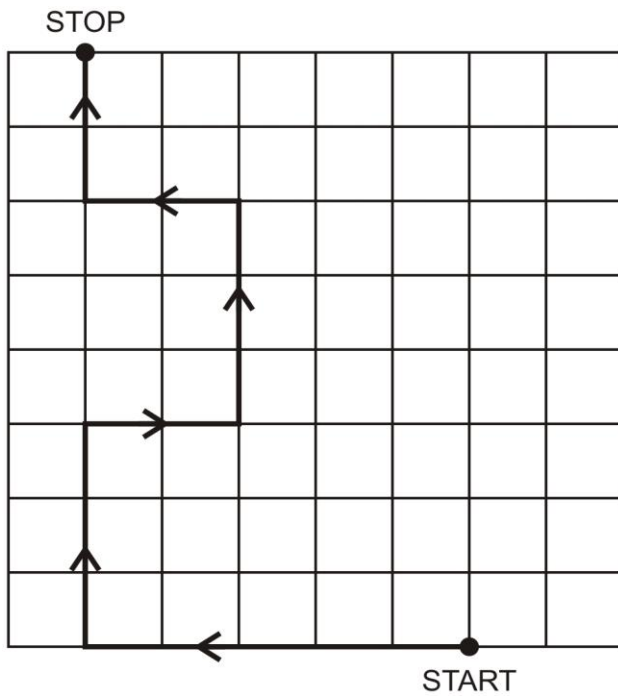
D



1 mark

Q4.

Follow this route with your pencil.



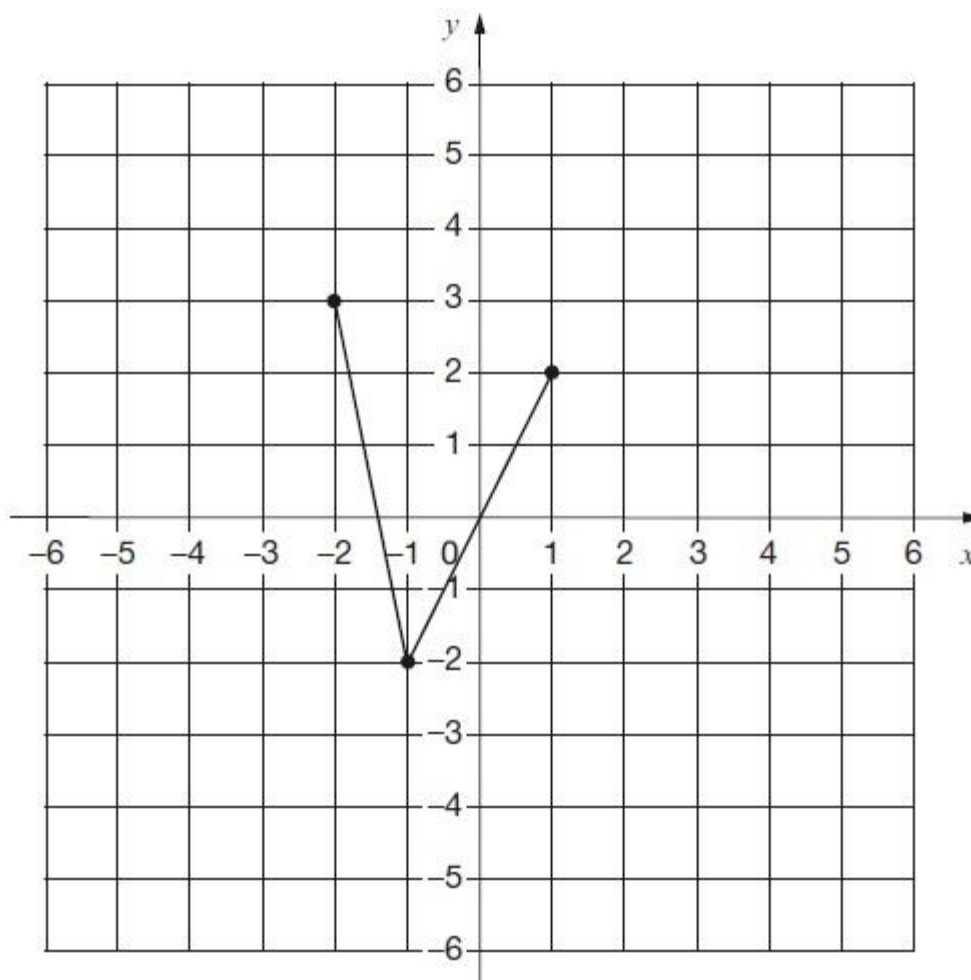
Complete this chart showing the route from START to STOP.

START
left 5
up 3
right 2

STOP

Q5.

On the grid there are three points joined by two lines.



Lara plots **another point** on the grid at $(-1, 2)$.

She joins the points to make a quadrilateral.

Complete Lara's quadrilateral on the grid.
Use a ruler.

1 mark

Then Lara translates the quadrilateral **4 squares to the right**.

Draw the quadrilateral in its new position on the grid.

1 mark

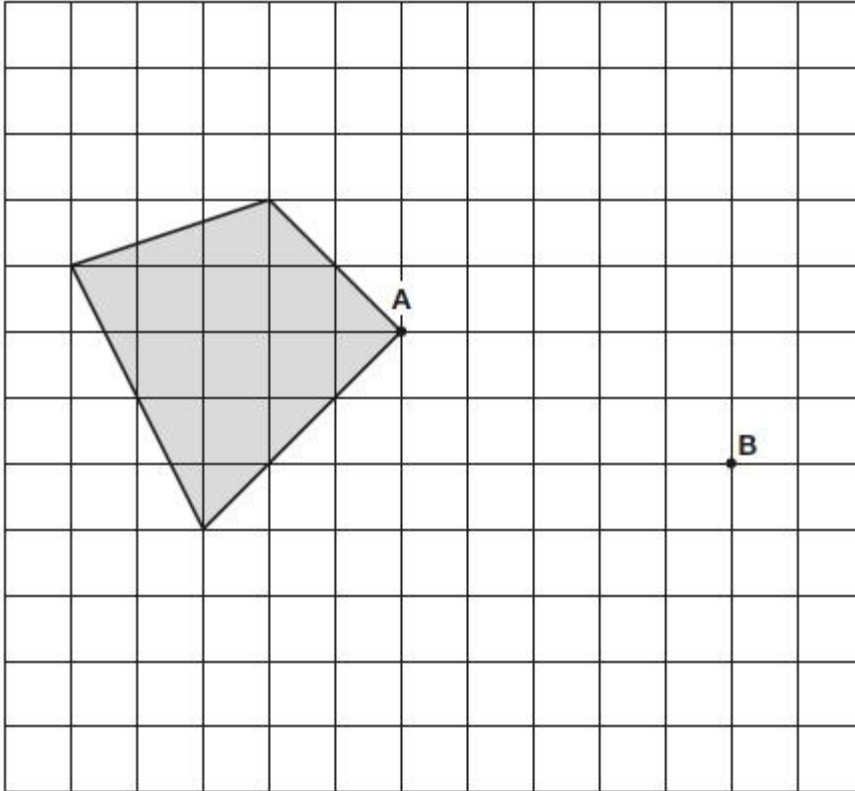
Q6.

Here is a shaded shape on a grid.

The shape is translated so that point **A** moves to point **B**.

Draw the shape in its new position.

Use a ruler.



2 marks

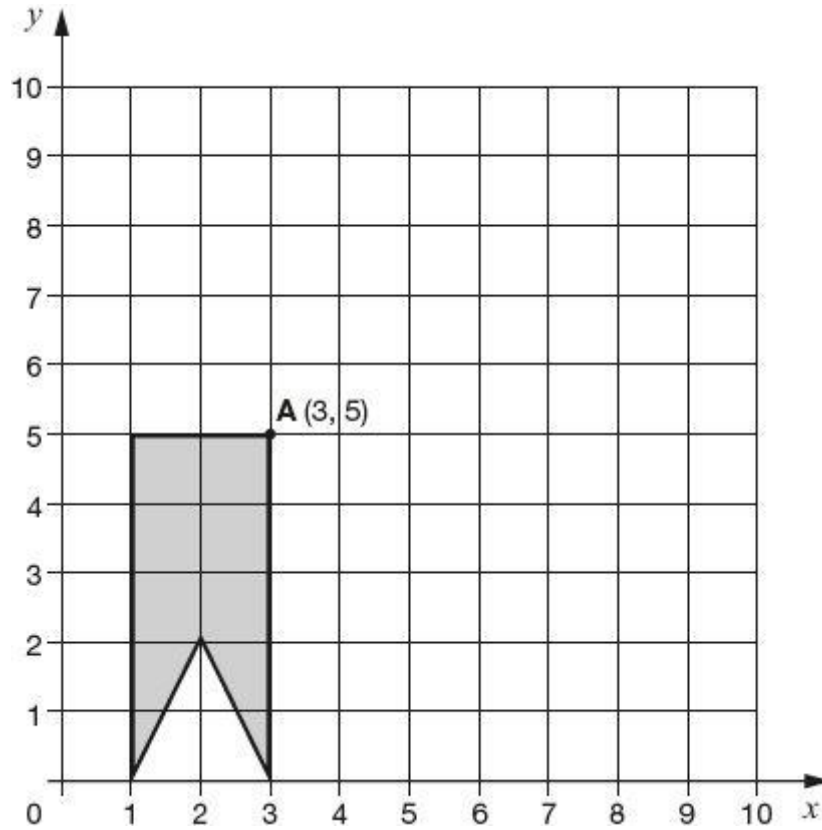
Q7.

Here is a shape on a grid.

The shape is translated so that point **A** moves to (7, 8).

Draw the shape in its new position.

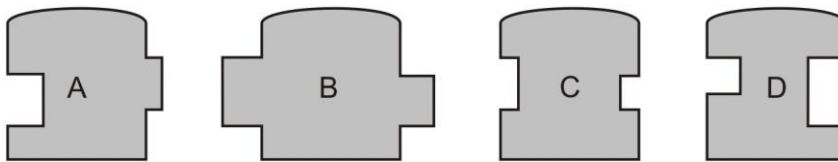
Use a ruler.



1 mark

Q8.

Here are four shapes.



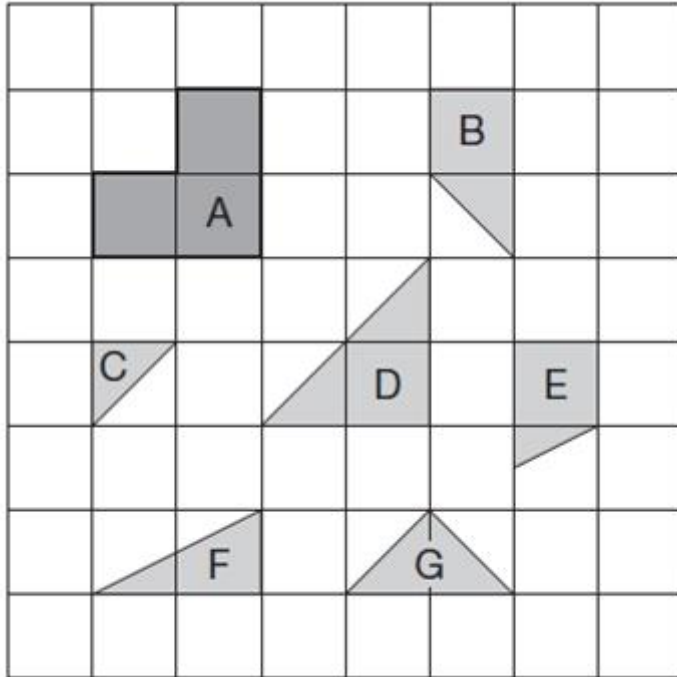
They can be fitted together in a straight line so that there are no gaps between them.

Write the order of the letters of the shapes when they all fit together.

1 mark

Q9.

Here are some tiles on a square grid.



Three different tiles can be fitted together without overlapping to make a shape identical to tile **A**.

Write the letters of the three tiles.

_____ and _____ and _____ 1 mark

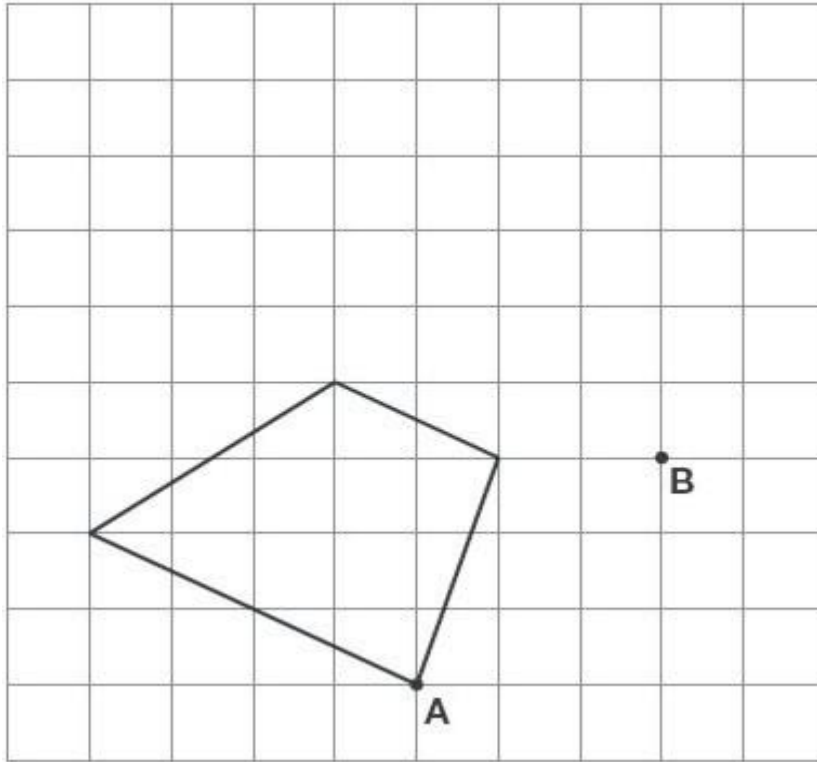
Q10.

Here is a quadrilateral on a square grid.

The quadrilateral is translated so that point **A** moves to point **B**.

Draw the quadrilateral in its new position.

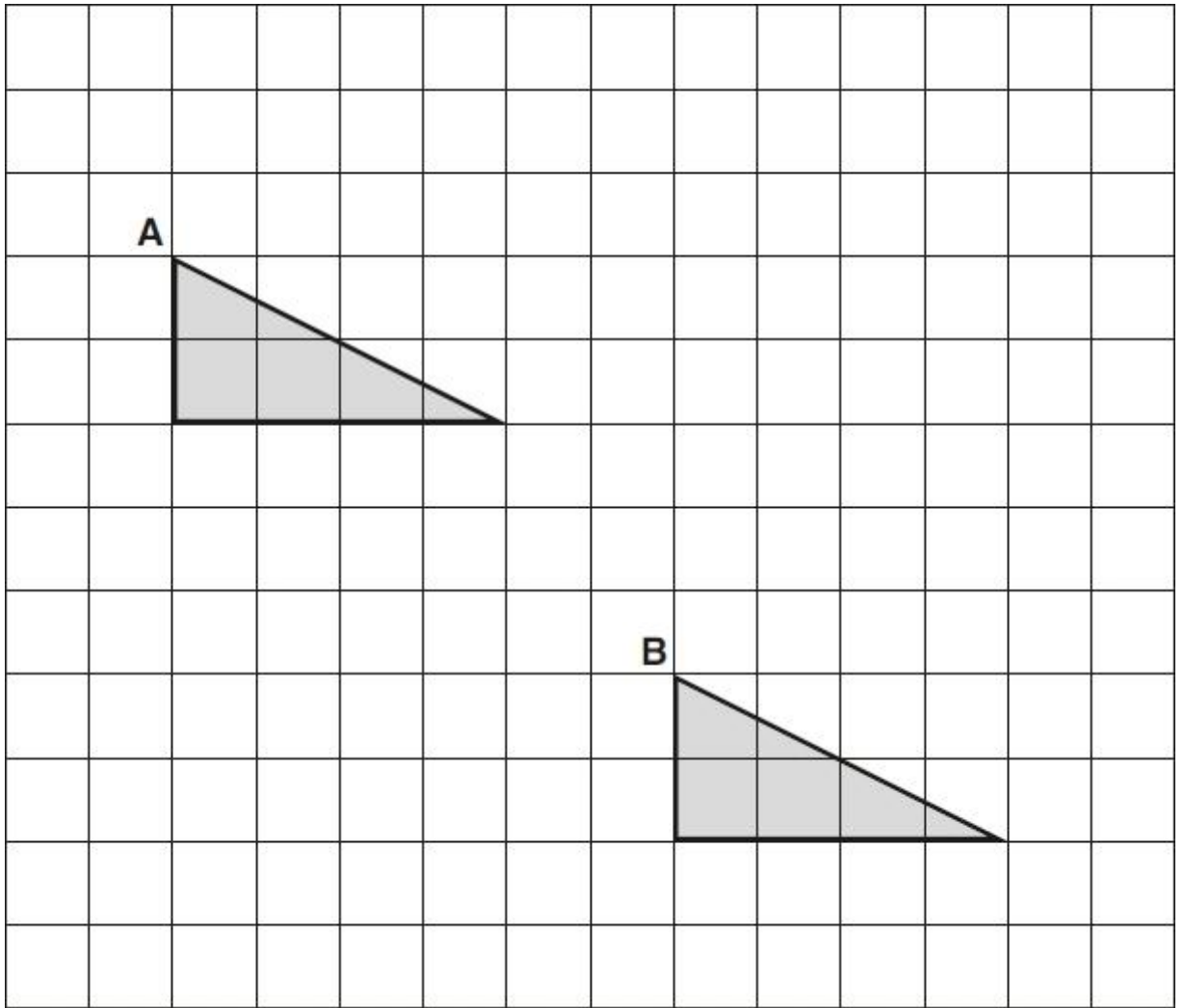
Use a ruler.



1 mark

Q11.

A triangle is translated from position **A** to position **B**.



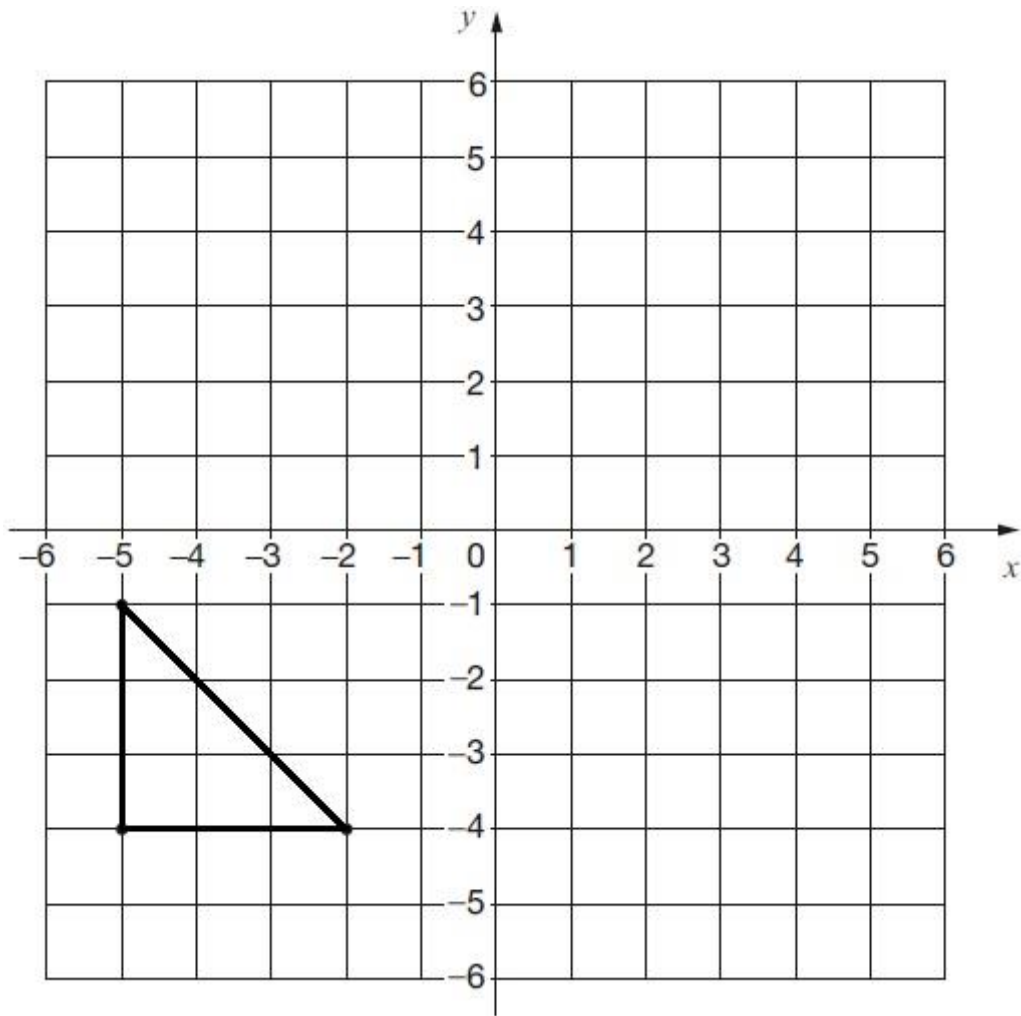
Complete the sentence.

The triangle has moved squares to the right
and squares down.

1 mark

Q12.

Here is a triangle drawn on a coordinate grid.



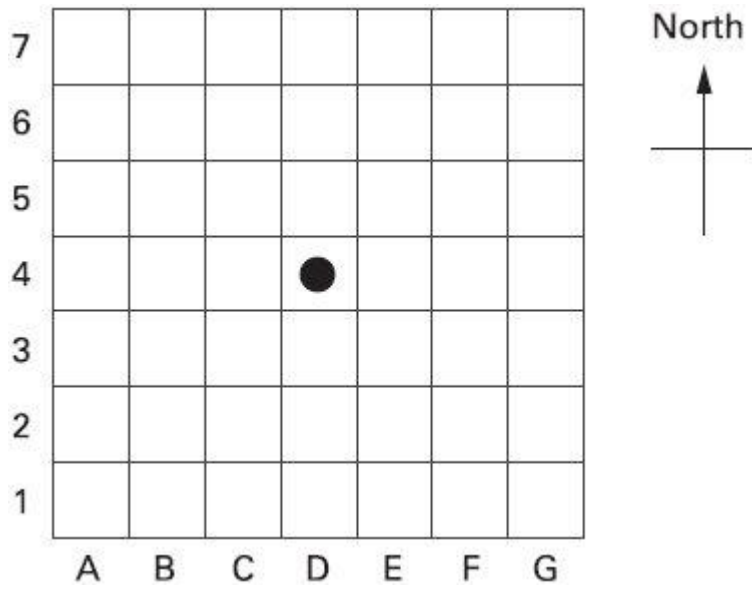
The triangle is translated **7 right** and **5 up**.

Draw the triangle in its new position.

1 mark

Q13.

Lisa places a counter on square **D4**



She moves it 2 squares east and 3 squares south.

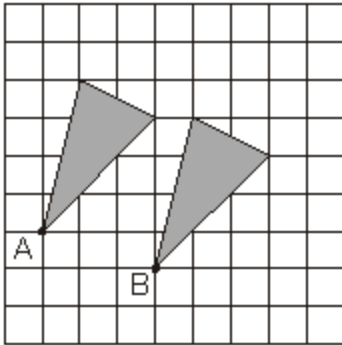
Write the position of the square she moves it to.

1 mark

Mark schemes

Q1.

Diagram completed as shown:



*Accept slight inaccuracies in drawing
(see page 3 for guidance).*

[1]

Q2.

(4, 3)

Coordinates must be written in the correct order.

Accept (6, 3), (4, -1) or (6-1)

*Accept answers written on the diagram, with or without
brackets and commas.*

[1]

Q3.

C

*Accept alternative, unambiguous
indications of the answer such as a cross
on shape C or a line from C to the hole.*

[1]

Q4.

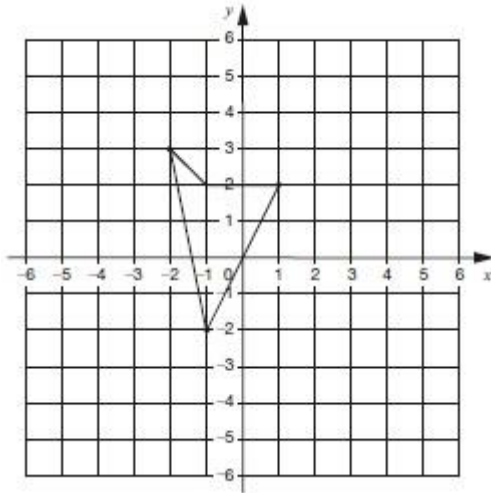
up 3
left 2
up 2

All correct for 1 mark.

[1]

Q5.

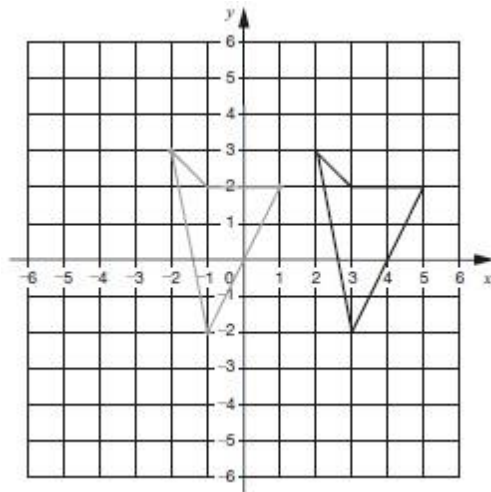
(a) Quadrilateral completed, as shown:



Accept slight inaccuracies in drawing provided the intention is clear.

1

(b) Quadrilateral translated correctly, as shown:



Accept slight inaccuracies in drawing provided the intention is clear.

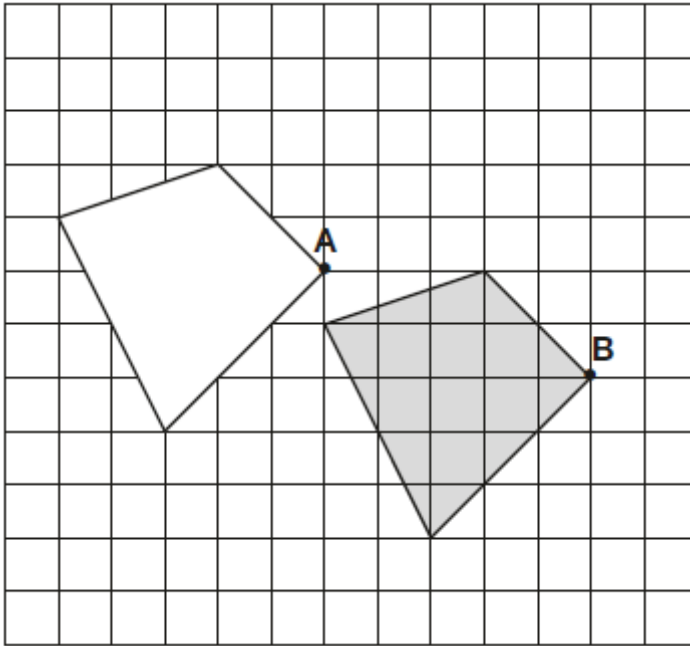
*Award **ONE** mark if the answer to (b) is a quadrilateral with sides drawn and is a correct translation of their answer to (a).*

1

[2]

Q6.

Award **TWO** marks for three vertices of the shape, excluding B, translated correctly as shown below:



If the answer is incorrect, award **ONE** mark for two vertices, excluding B, translated correctly.

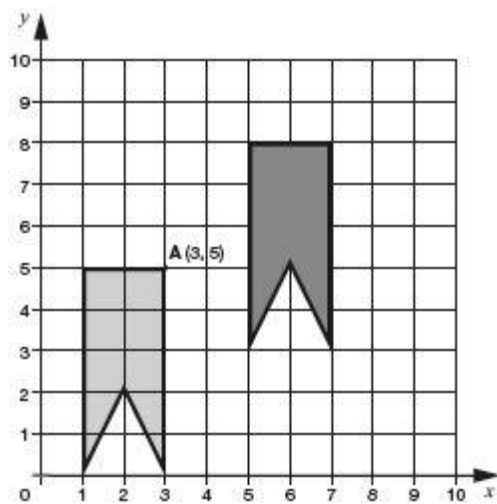
Accept slight inaccuracies in drawing provided intention is clear.

Up to 2

[2]

Q7.

Shape located correctly, as shown:



Accept slight inaccuracies in drawing (see guidance).

*Shape need not be shaded for the award of **ONE** mark.*

[1]

Q8.

DBAC

Accept CABD.

U1

[1]

Q9.

B AND C AND G

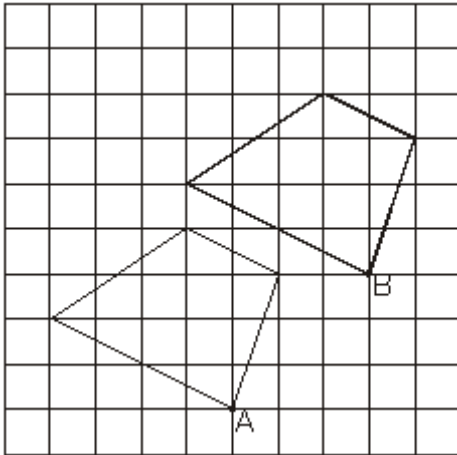
Letters may be given in any order.

U1

[1]

Q10.

Diagram completed as shown:



Accept slight inaccuracies in drawing

[1]

Q11.

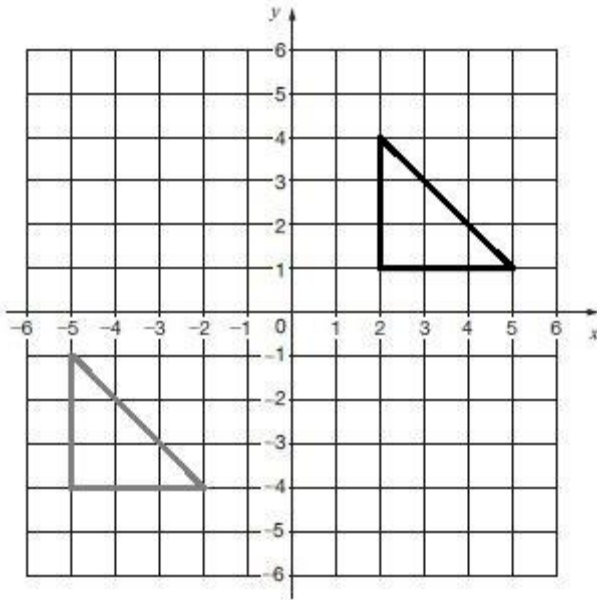
The triangle has moved *squares to the right*

and *squares down.*

[1]

Q12.

Triangle with vertices at (2,1) **AND** (2,4) **AND** (5,1) drawn on the grid as shown:



Accept slight inaccuracies in drawing

[1]

Q13.

F1

Do not accept 1F.

[1]