

**Q1.** 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.

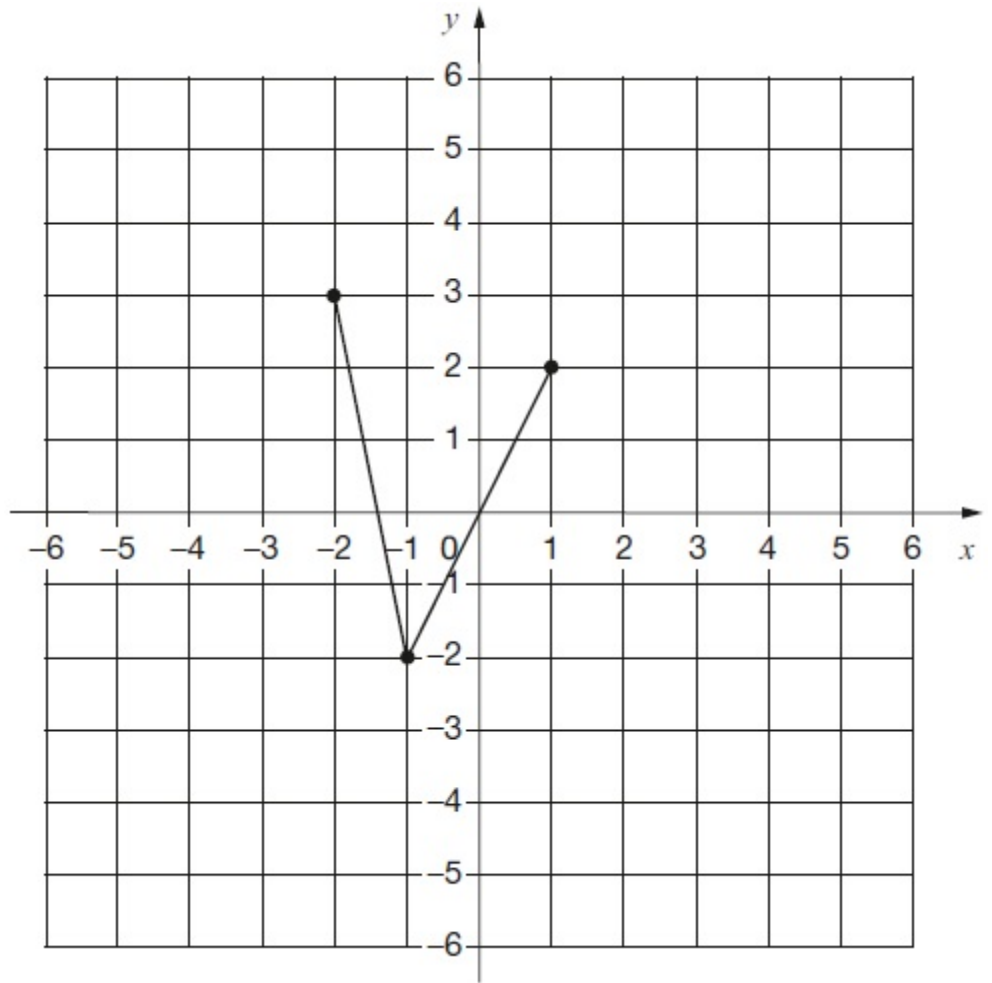
Complete Lara's quadrilateral on the grid. Use a ruler.

1 mark

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

Draw the quadrilateral in its new position on the grid.

1 mark



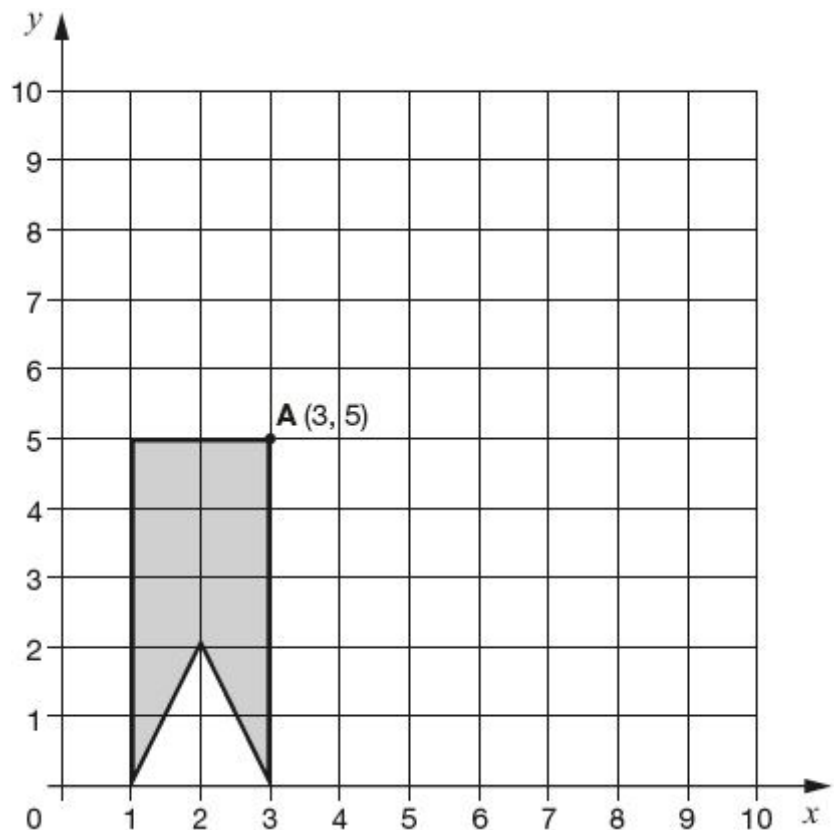
**Q2.** Here is a shape on a grid.

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

Draw the shape in its new position.

Use a ruler.

1 mark



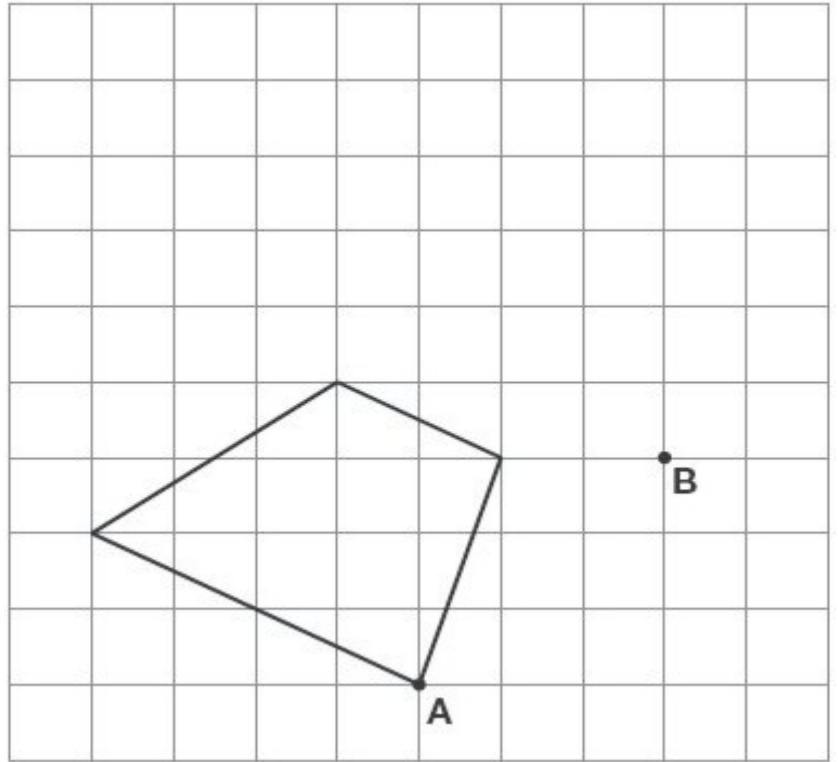
**Q3.** Here is a quadrilateral on a square grid.

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

Draw the quadrilateral in its new position.

Use a ruler.

1 mark

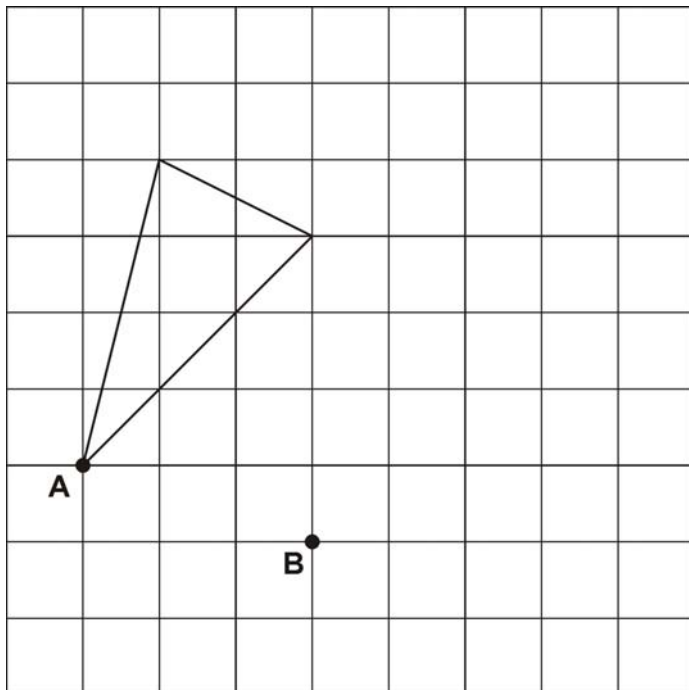


**Q4.** Here is a triangle on a square grid.

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

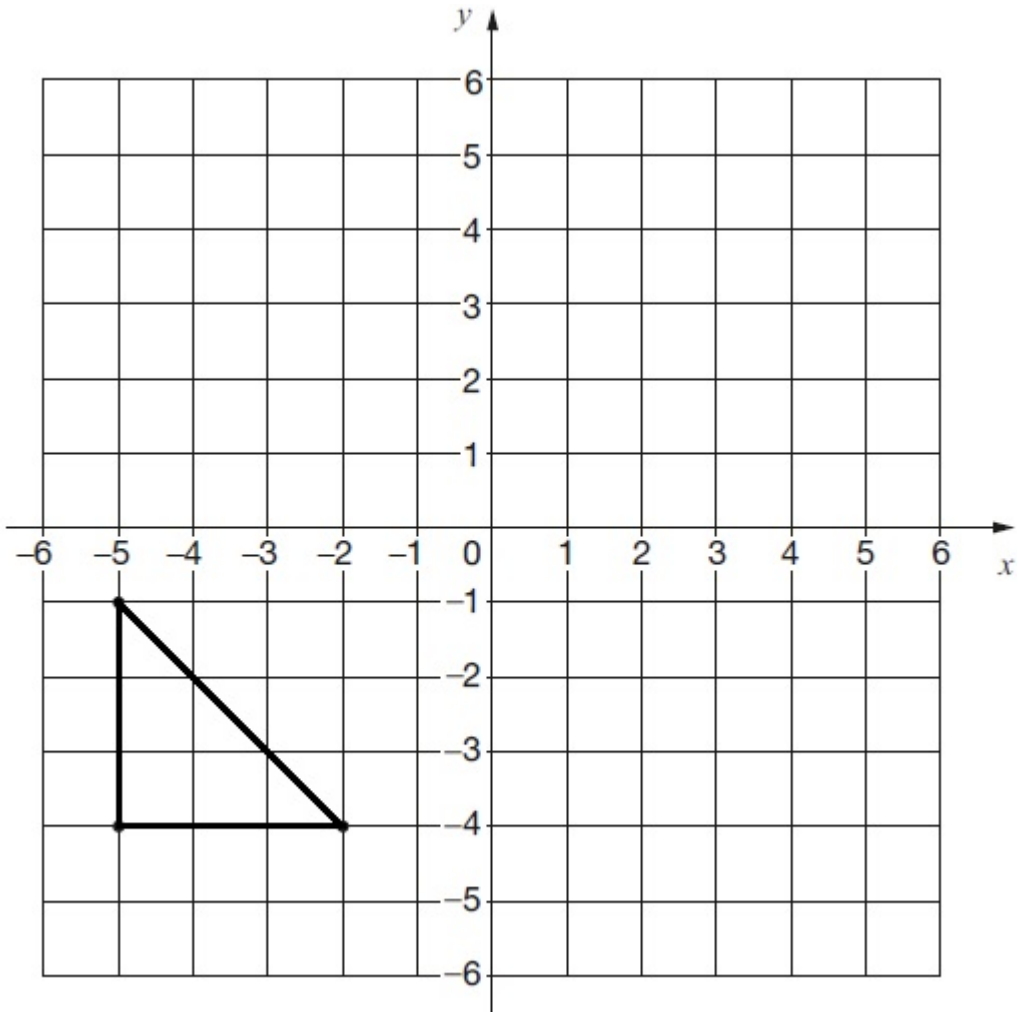
Draw the triangle in its new position.

Use a ruler.



1 mark

**Q5.** 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

**Q6.**

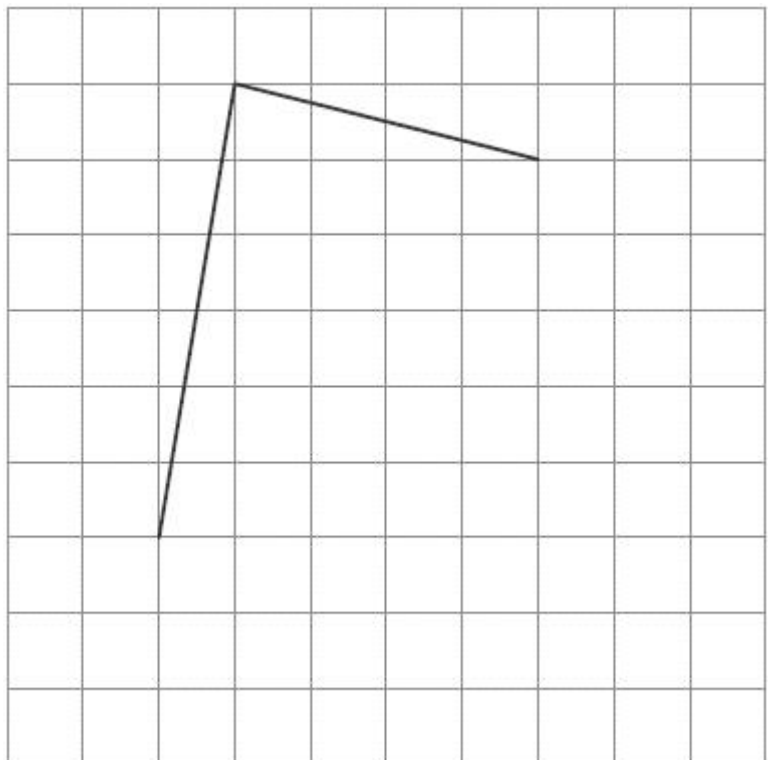
Here is a square grid.

Two sides of a kite are drawn on the grid.

Complete the kite by drawing the two missing sides.

Use a ruler.

1 mark



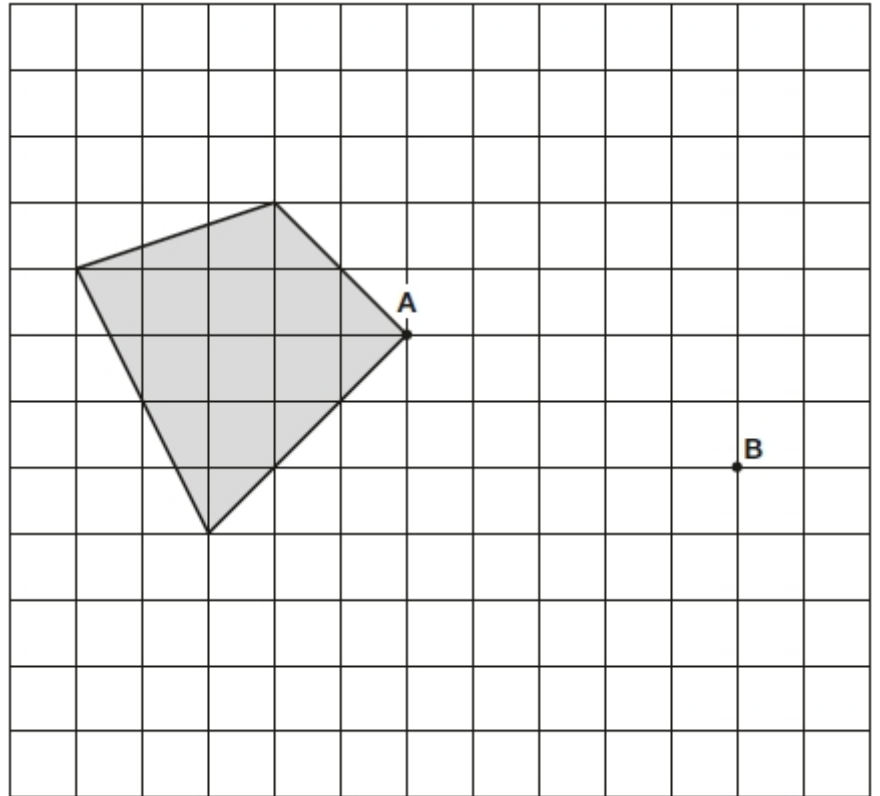
**Q7.** Here is a shaded shape on a grid.

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

Draw the shape in its new position.

Use a ruler.

2 marks



**Q8.** Here is a shaded shape on a grid made of squares.

Draw the line of symmetry of the shaded shape.

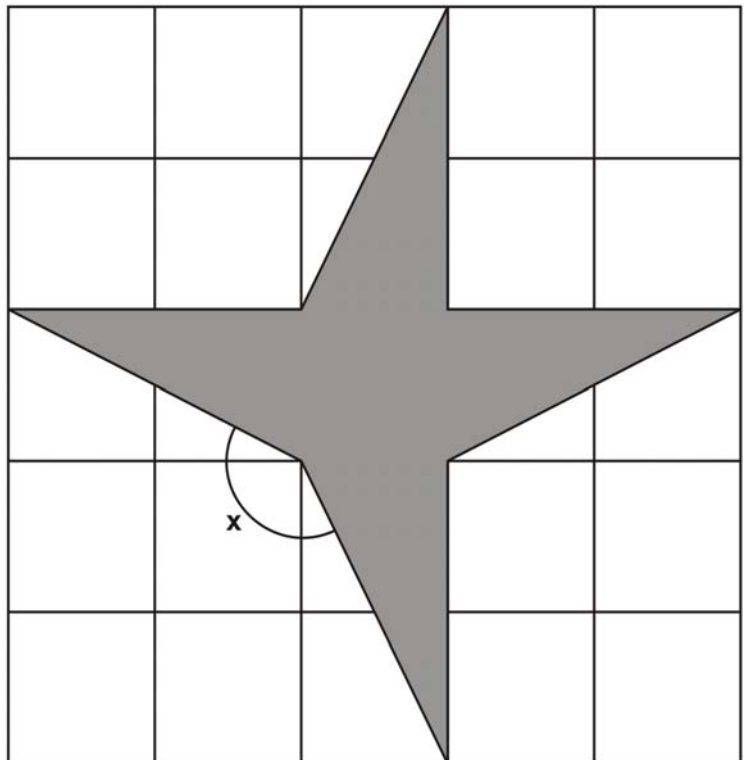
You may use a mirror or tracing paper.

1 mark

What **fraction** of the area of the grid is shaded?

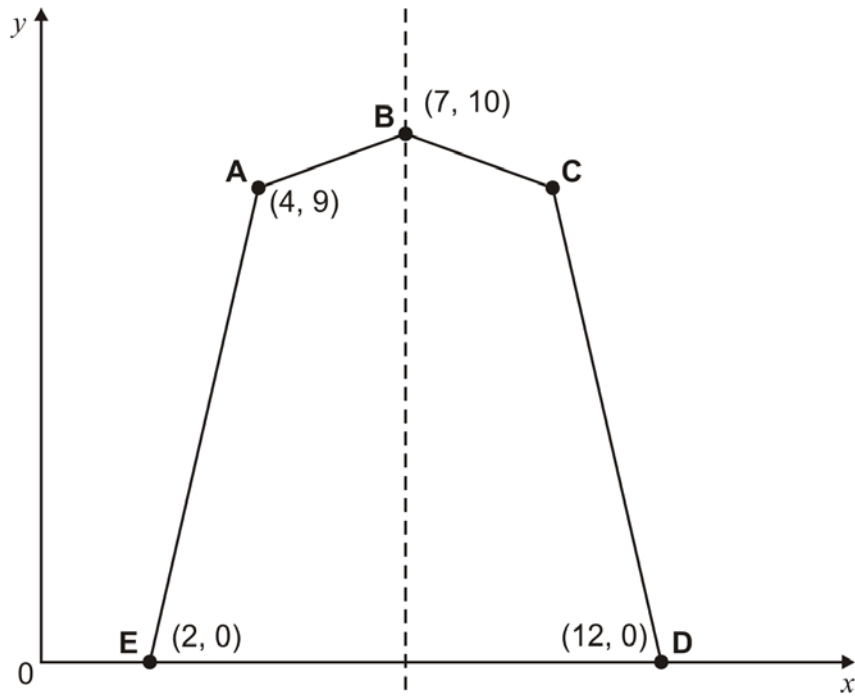


1 mark



**Q9.** Here is a pentagon drawn on a coordinate grid.

The pentagon is symmetrical.

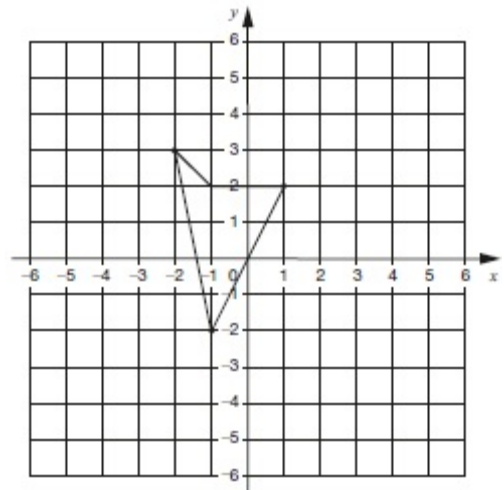


What are the coordinates of point **C**?

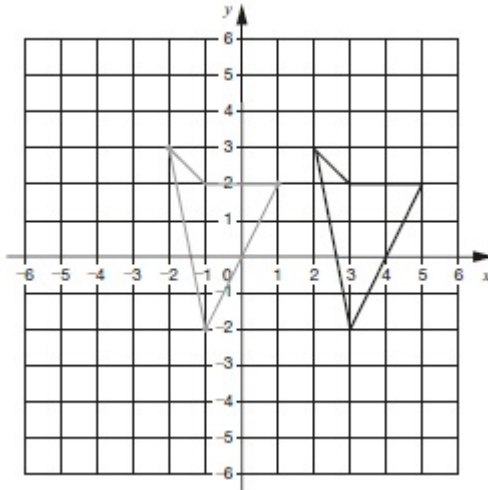
1 mark

Mark schemes

**Q1.** (a) Quadrilateral completed, as shown:

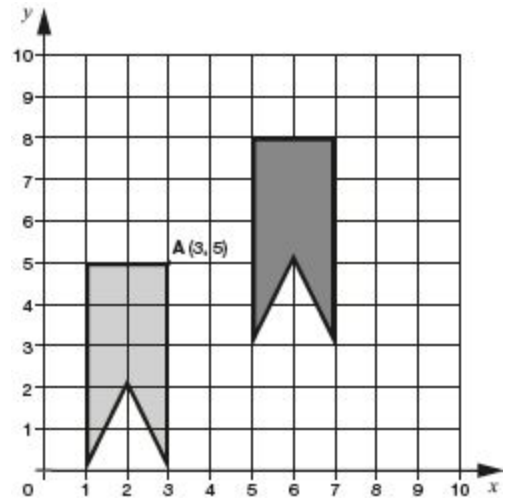


(b) Quadrilateral translated correctly, as shown:



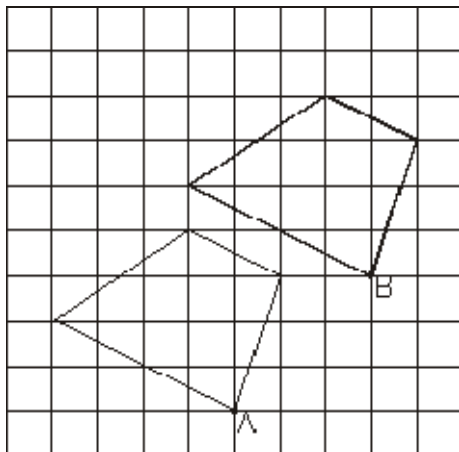
**Q2.**

Shape located correctly, as shown:



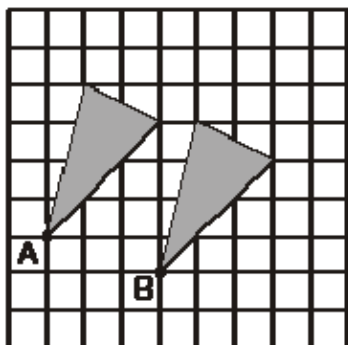
**Q3.**

Diagram completed as shown:

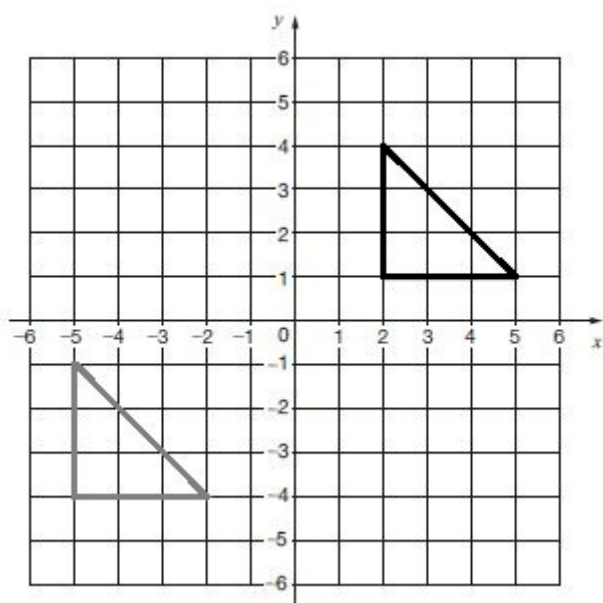


*Accept slight inaccuracies in drawing*

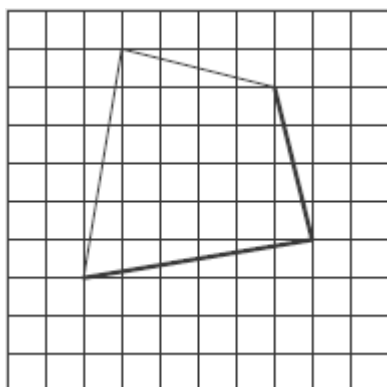
**Q4** Diagram completed as shown:



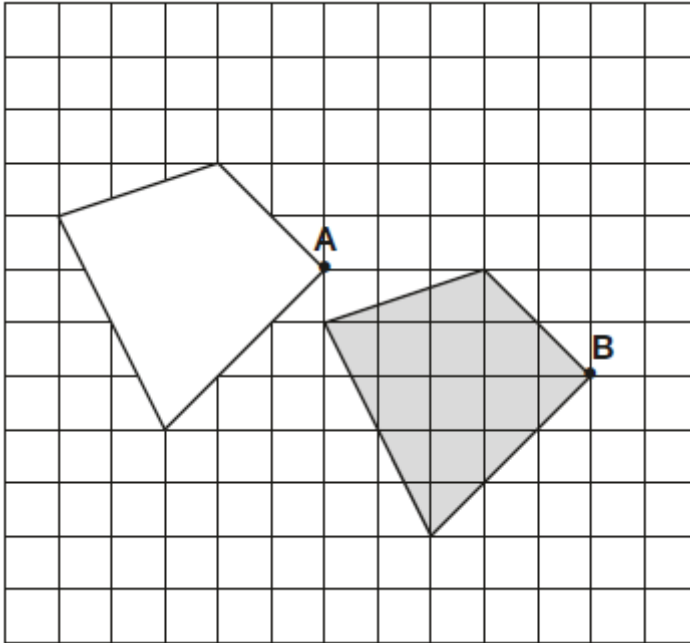
**Q5.** Triangle with vertices at (2,1) AND (2,4) AND (5,1) drawn on the grid as shown:



**Q6.** Diagram completed correctly as shown:

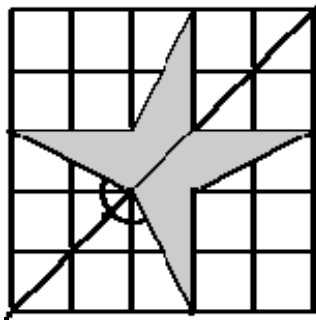


**Q7.** Award **TWO** marks for three vertices of the shape, excluding B, translated correctly as shown below:



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

**Q8.** (a) Line of symmetry drawn as shown.



(b)  $\frac{1}{5}$  **OR** 0.2 **OR** 20%

*Accept equivalent fractions, eg  $\frac{5}{25}$*

1

**Q9.**

(10, 9)

**Coordinates must be in the correct order.**

*Accept unambiguous answers written on the diagram.*

[1]