REFLECT AND TRANSLATE

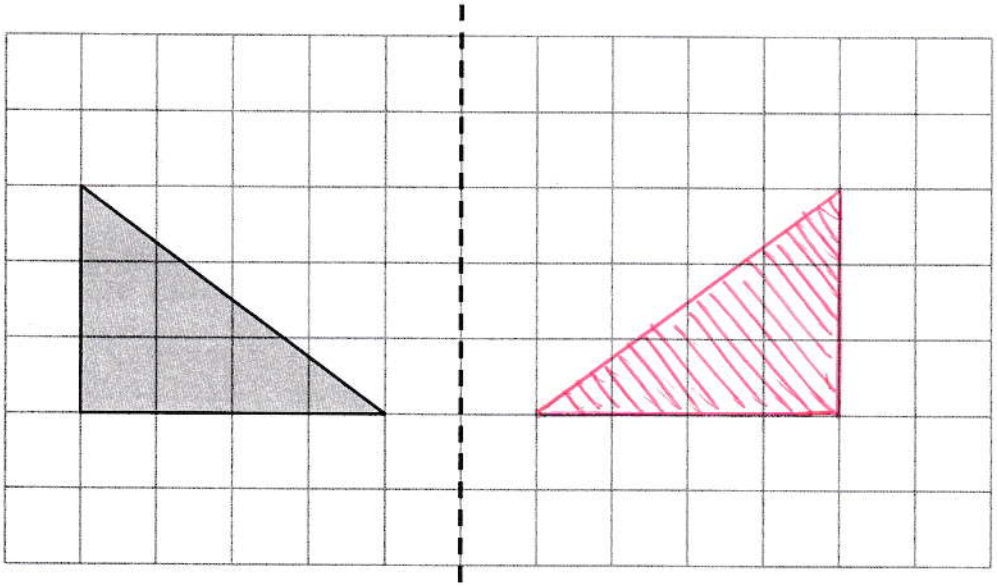
CONTENT DOMAIN REFERENCES:
P2

KS2 SATS

PRACTICE QUESTIONS BY TOPIC

1 Draw the reflection of the shaded shape in the mirror line.

[Extra] Use a ruler.



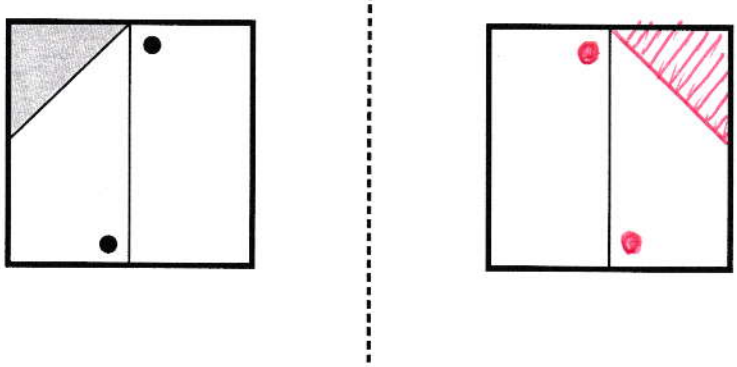
mirror line

[1 mark]

2 Here is a square with a design on it.

[2002] The square is reflected in the mirror line.

Draw the missing triangle and dots on the reflected square.



mirror line

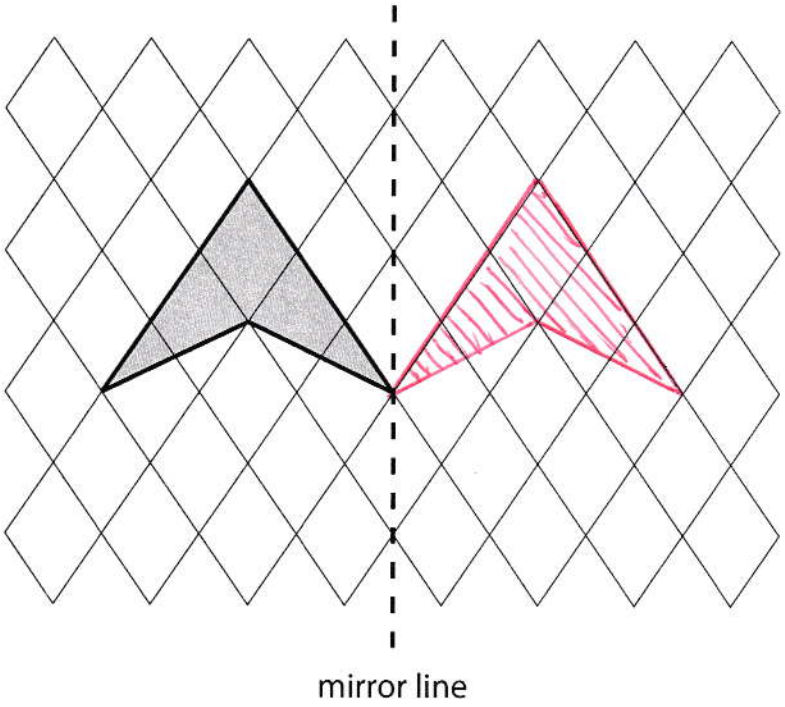
[1 mark]

Questions compiled by:
@Maths4Everyone

3 Draw the reflection of the shaded shape in the mirror line.

[2007]

Use a ruler.

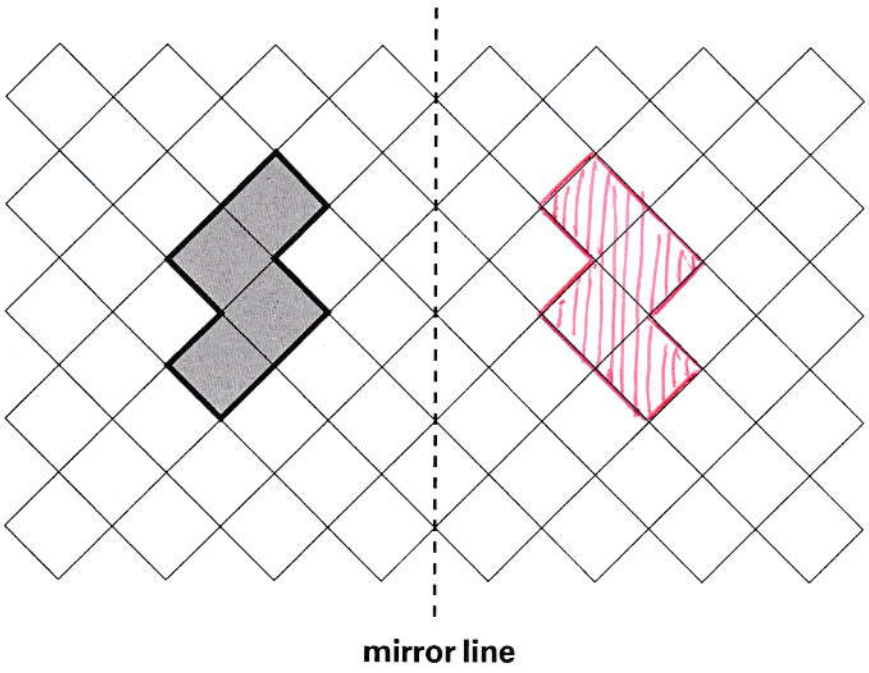


[1 mark]

4 Draw the **reflection** of the shaded shape in the mirror line.

[2001]

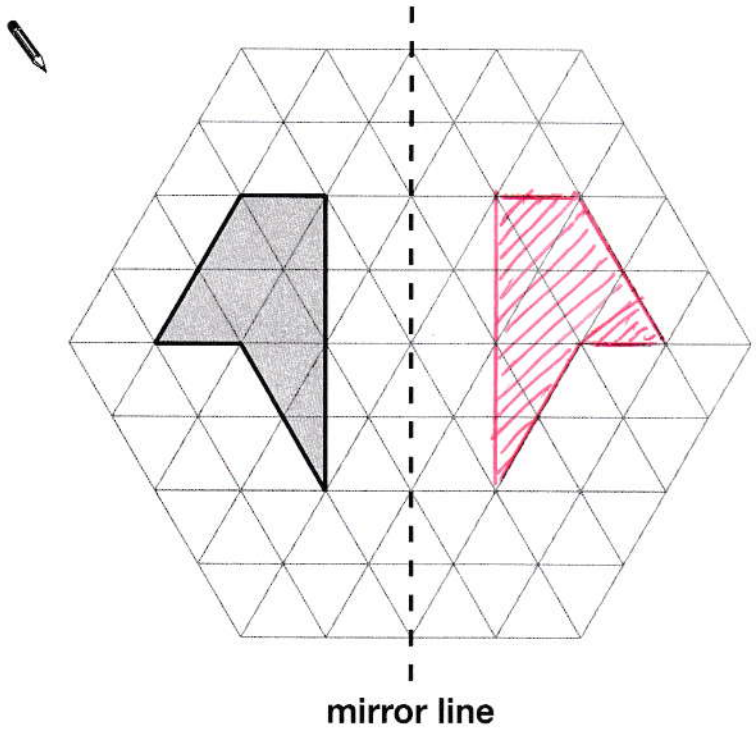
You may use a mirror or tracing paper.



[1 mark]

5 Draw the reflection of the shaded shape in the mirror line.

[2010]

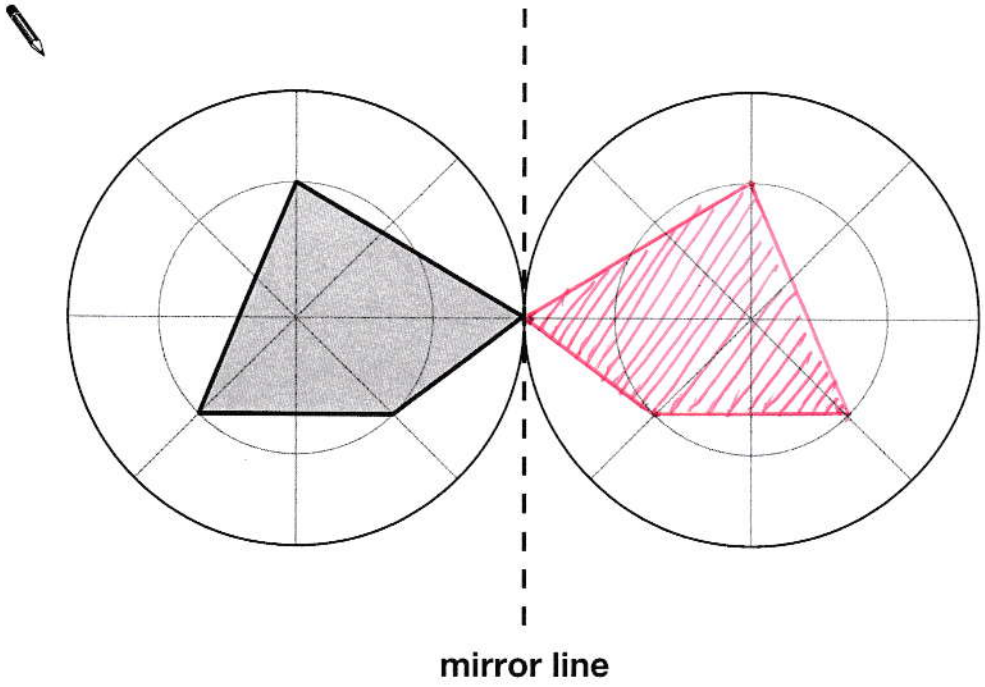


[1 mark]

6 Draw the reflection of the shaded shape in the mirror line.

[2008]

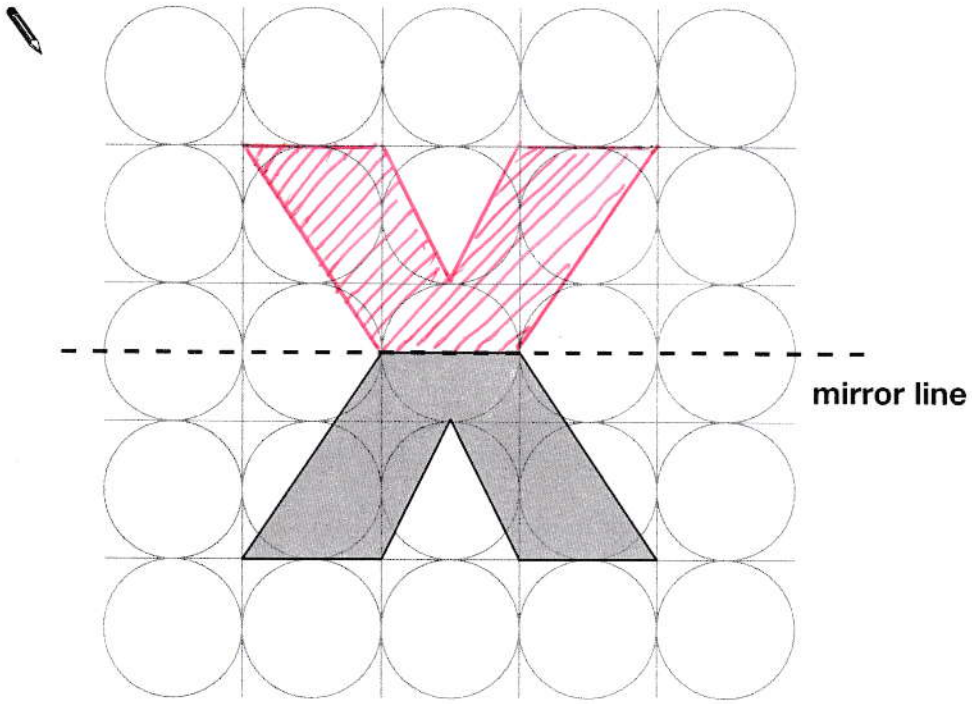
Use a ruler.



[1 mark]

7 Draw the reflection of the shaded shape in the mirror line.

[2009]

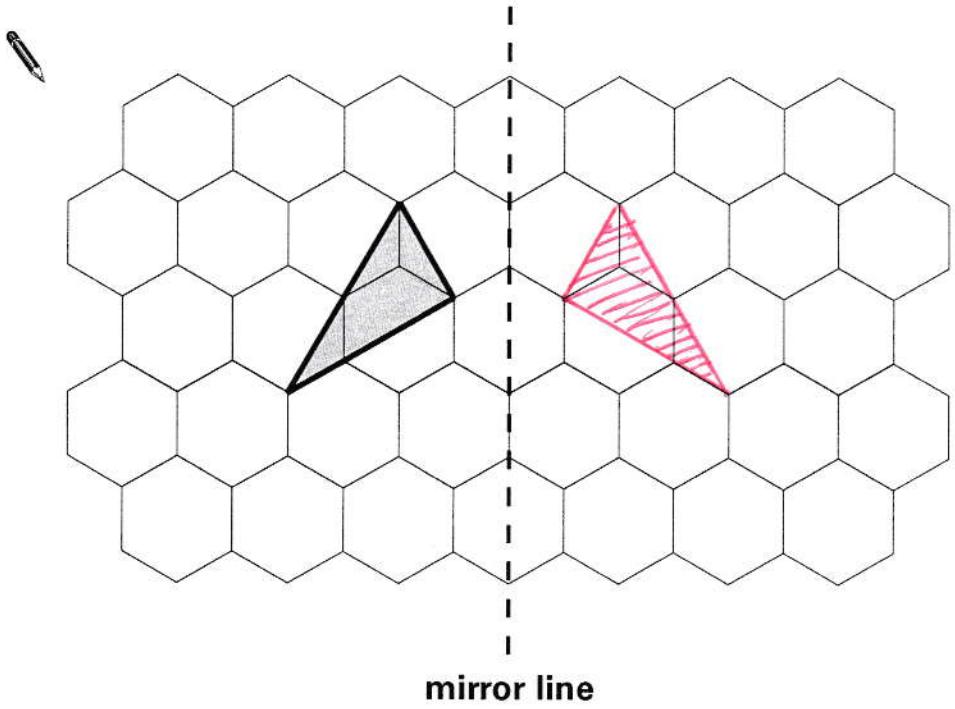


[1 mark]

8 This grid is made of hexagons.

[2005]

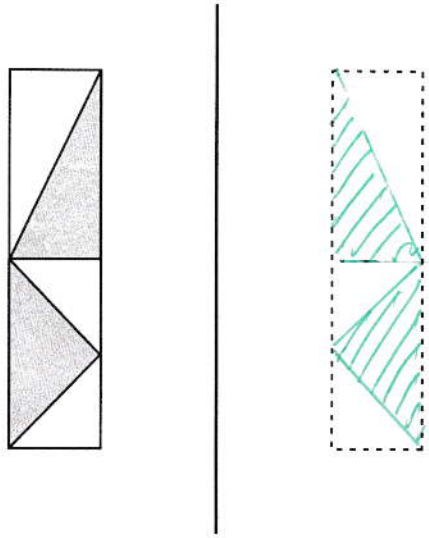
Draw the reflection of the shaded shape on the grid.



[1 mark]

9 Here is a design and a mirror line.

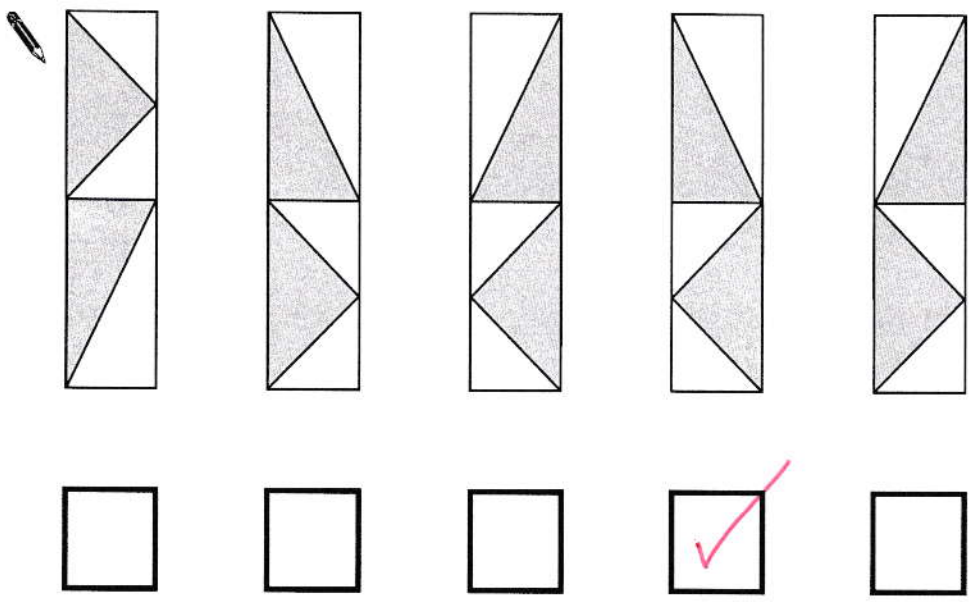
[2003]



mirror line

Which **one** of the designs below is the reflection of the design in the mirror line?

Tick (✓) the correct design.

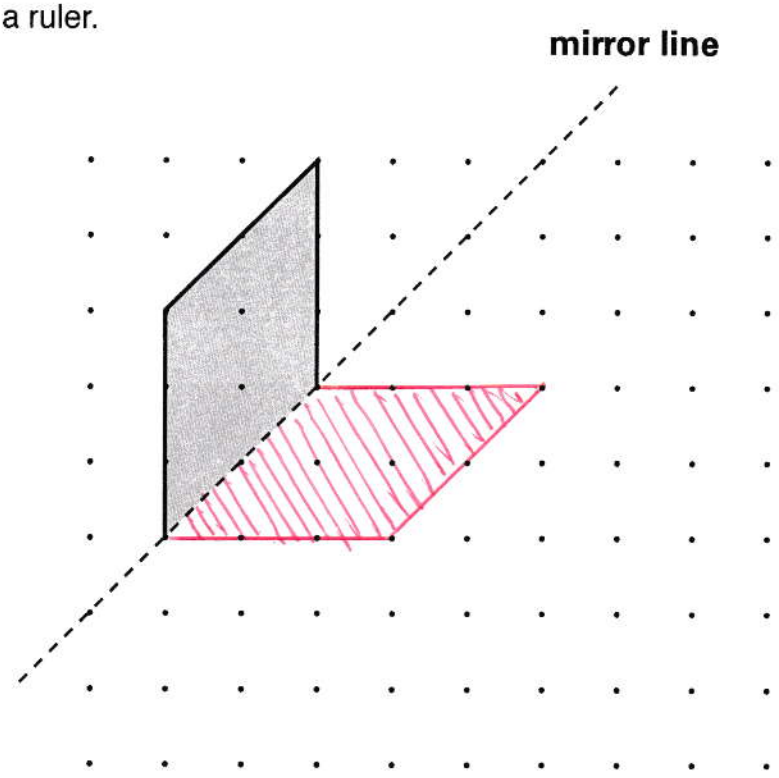


[1 mark]

10 Draw the **reflection** of the shape in the **mirror line**.

[Extra]

Use a ruler.

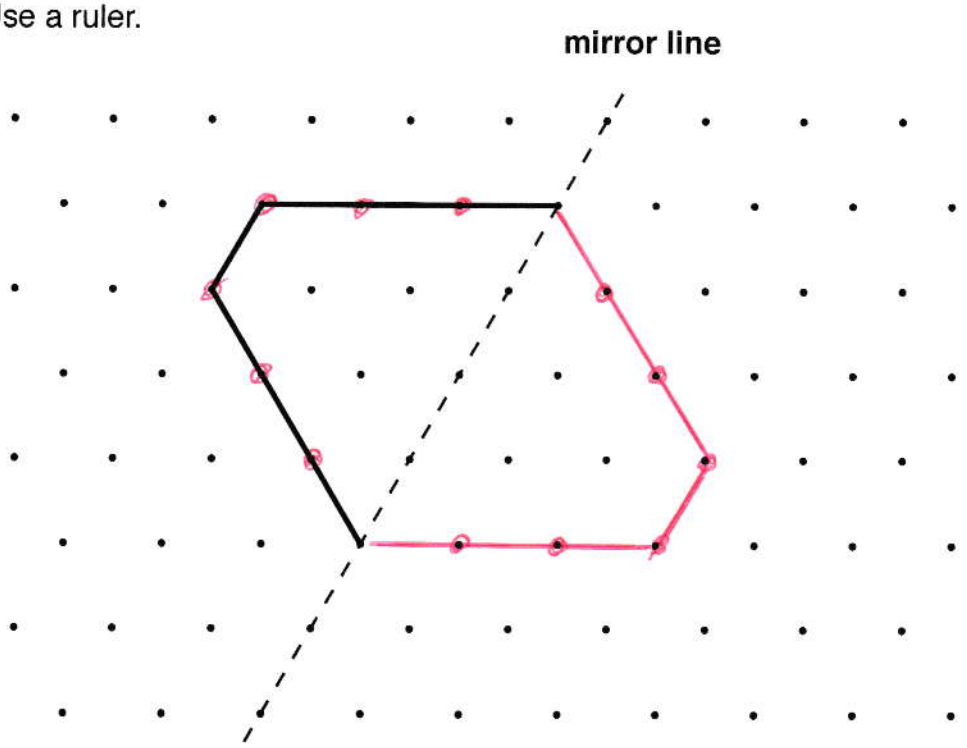


[1 mark]

11 Draw the **reflection** of the shape in the **mirror line**.

[2000]

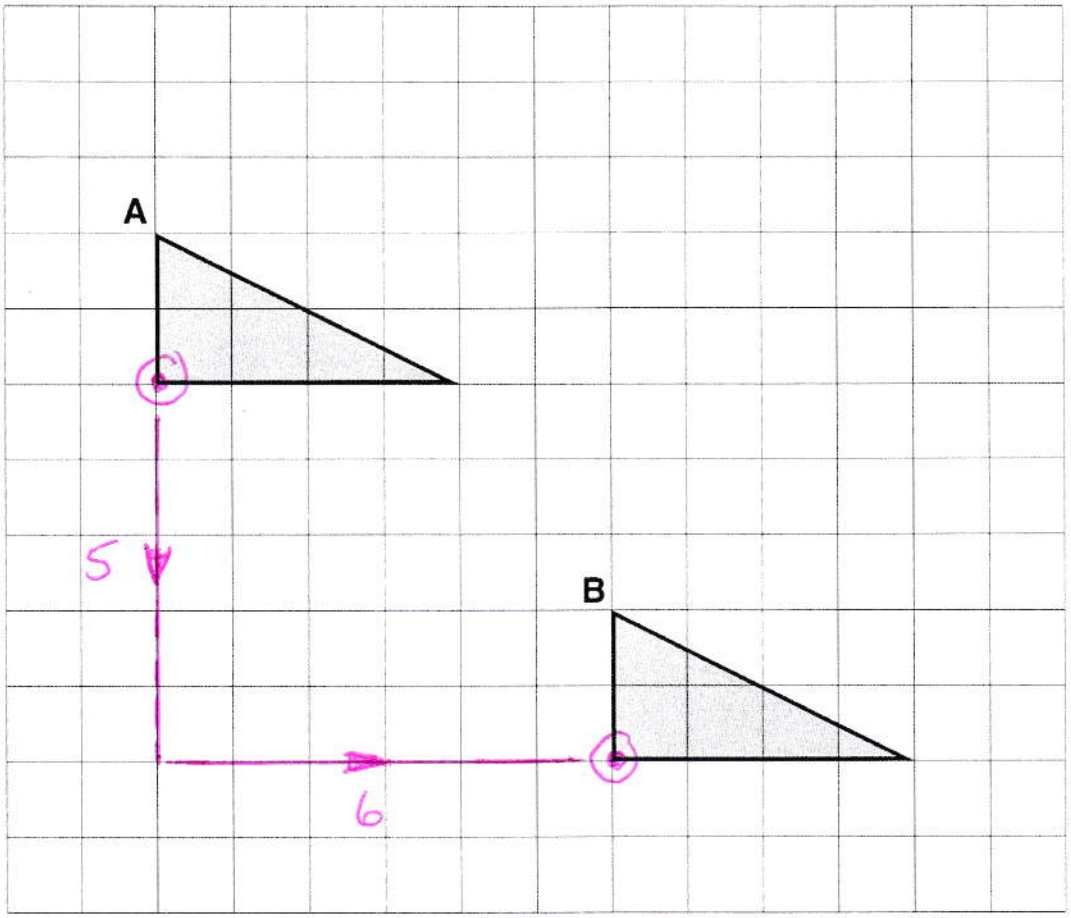
Use a ruler.



[1 mark]

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

[2016]



Complete the sentence.

The triangle has moved [6] squares to the right

and [5] squares down.

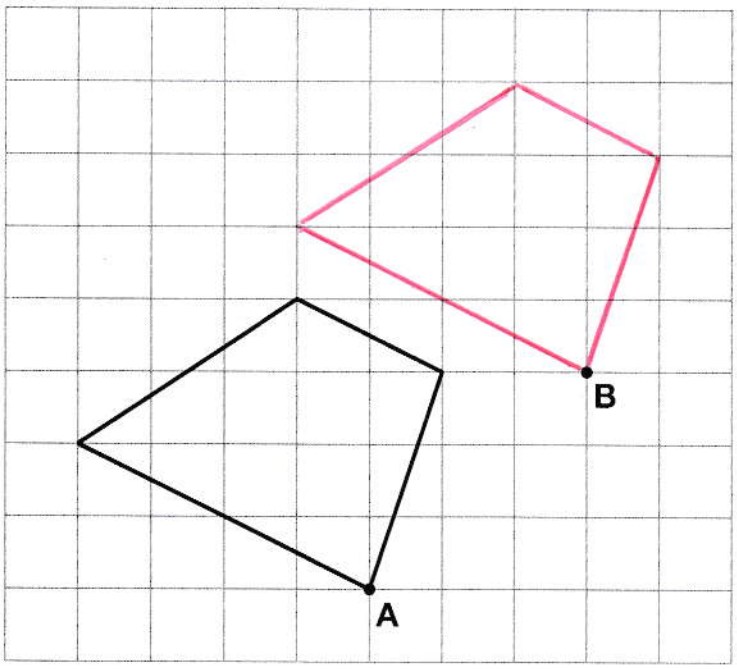
[1 mark]

13 Here is a quadrilateral on a square grid.

[2010] The quadrilateral is translated so that point **A** moves to point **B**.

Draw the quadrilateral in its new position.

Use a ruler.



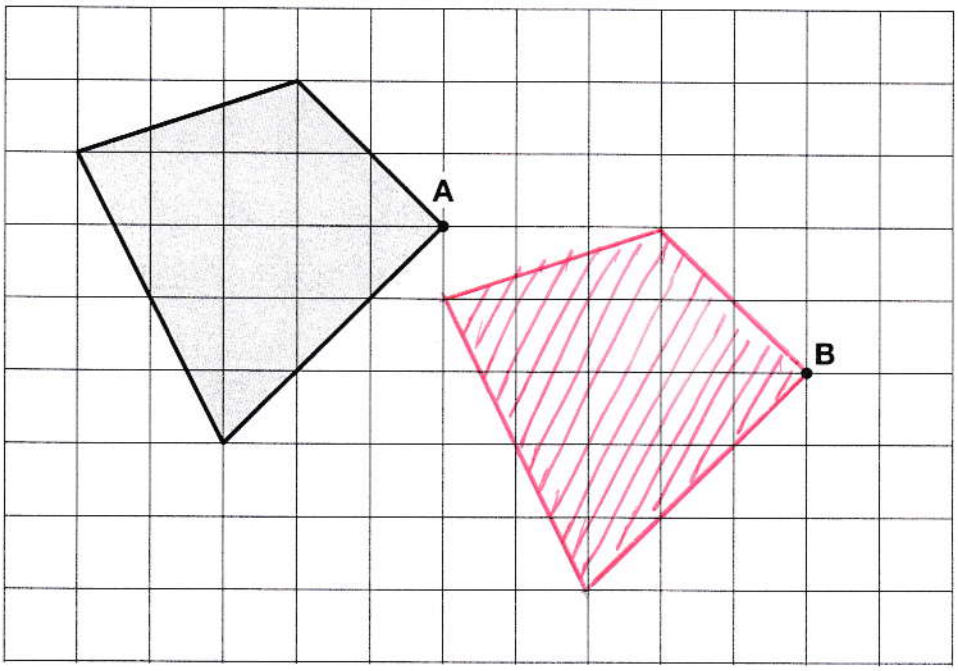
[1 mark]

14 Here is a shape on a square grid.

[2016S] The shape is translated so that point **A** moves to point **B**.

Draw the shape in its new position.

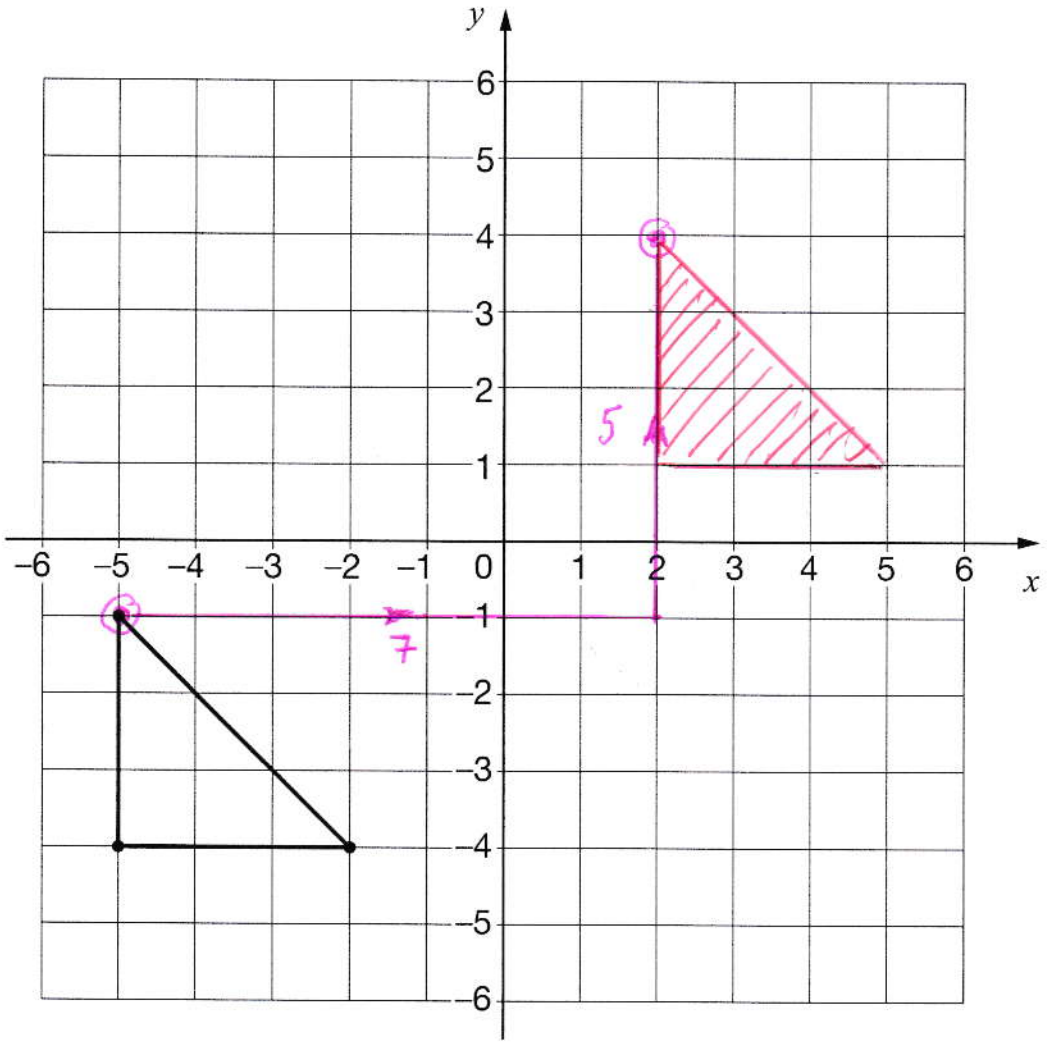
Use a ruler.



[1 mark]

15 Here is a triangle drawn on a coordinate grid.

[2017]



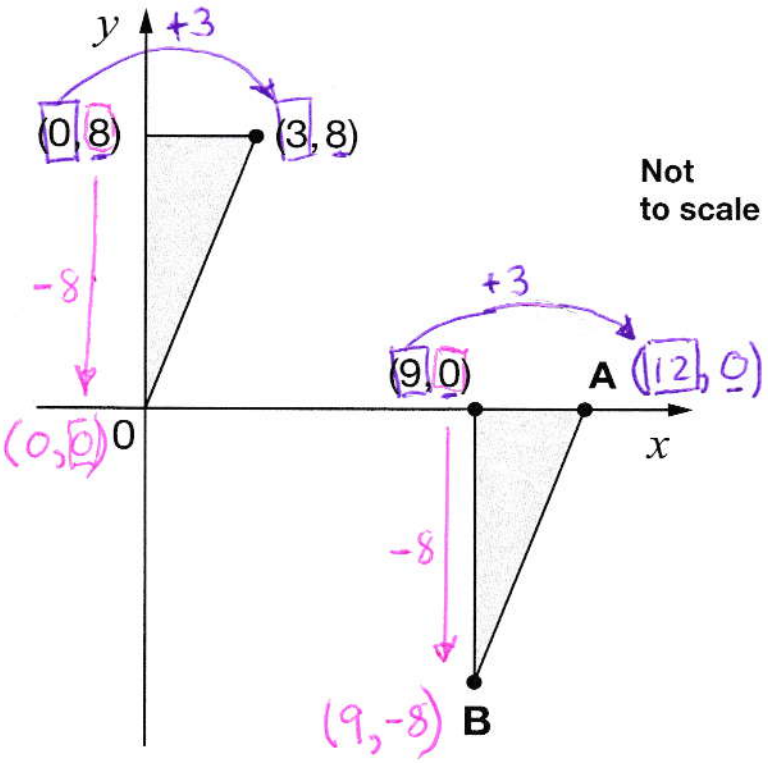
The triangle is translated **7 right** and **5 up**.

Draw the triangle in its new position.

[1 mark]

16 Here are two **identical** shaded triangles on coordinate axes.

[2016S]



Write the coordinates of points A and B.

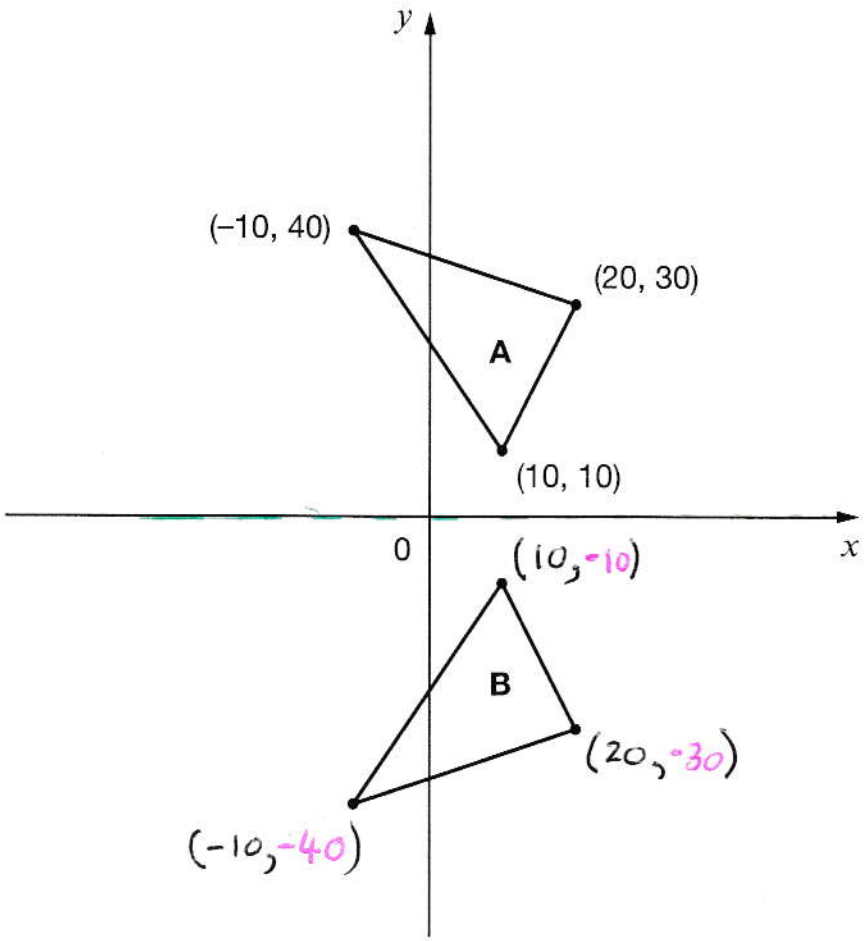
A = (12 , 0)

B = (9 , -8)

[2 marks]

17 Here are two triangles drawn on coordinate axes.

[2016]



Triangle B is a reflection of triangle A in the x-axis.

Two of the new vertices of triangle B are (10, –10) and (20, –30).

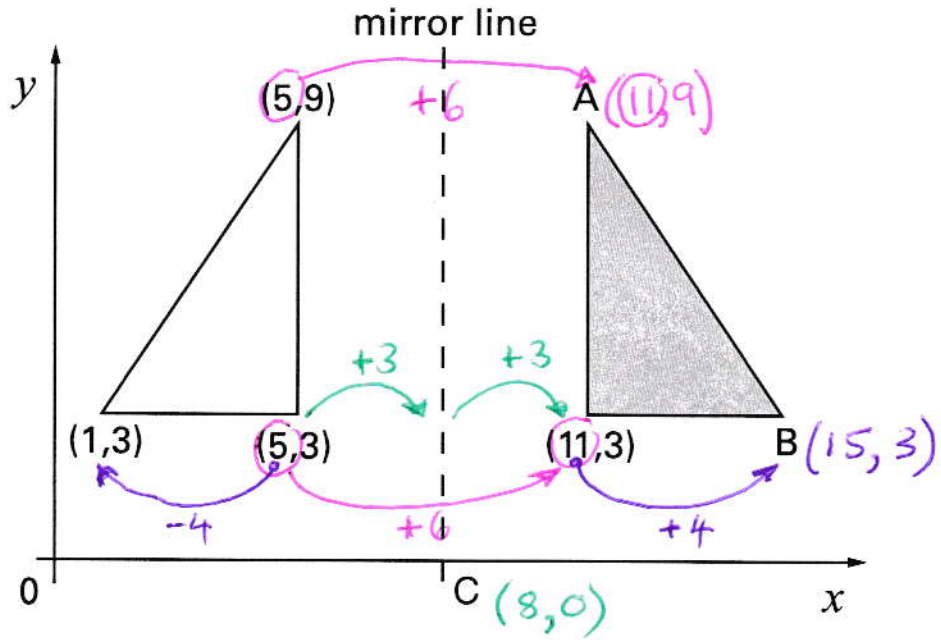
What are the coordinates of the **third** vertex of triangle B?

(-10 , -40)

[1 mark]

18 The shaded triangle is a reflection of the white triangle in the mirror line.

[2000]



Write the coordinates of points A and B.

A = (11 , 9)

B = (15 , 3)

Point C is where the mirror line crosses the x-axis.

Write the coordinates of point C.

C = (8 , 0)

[3 marks]