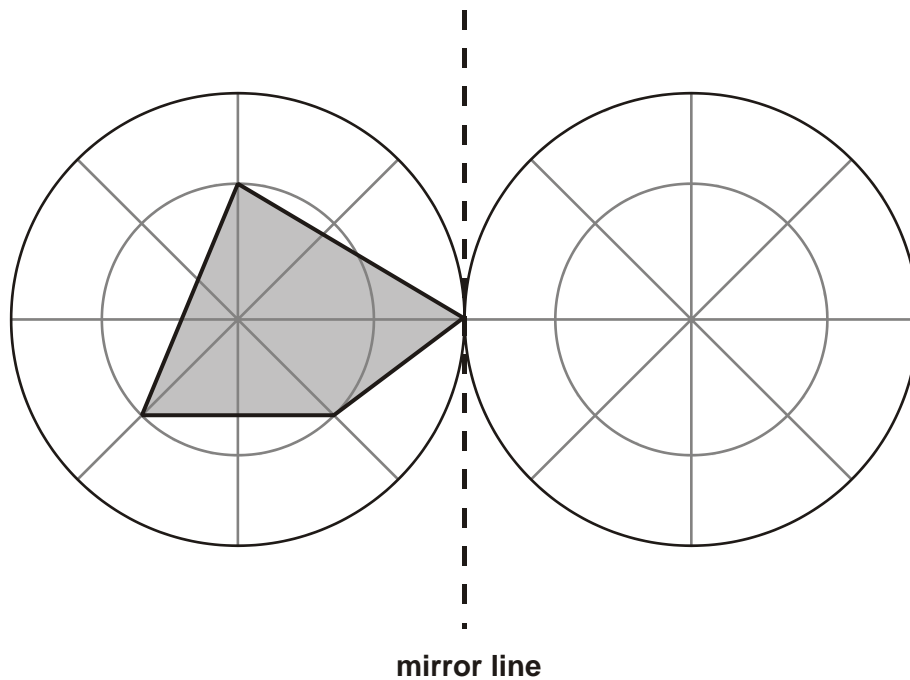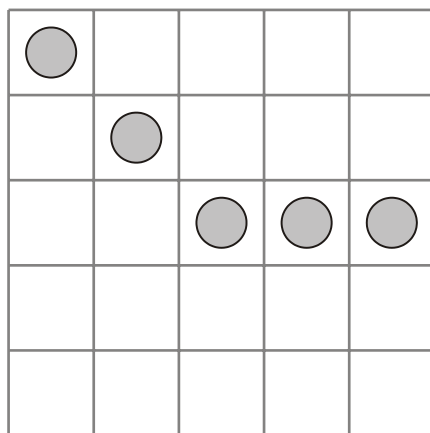**1.** Draw the reflection of the shaded shape in the mirror line.

Use a ruler.

mirror line

2. Draw **two** more circles on this grid to make a design that has a line of symmetry.
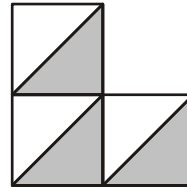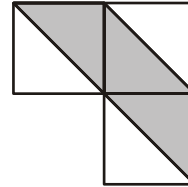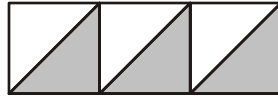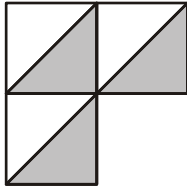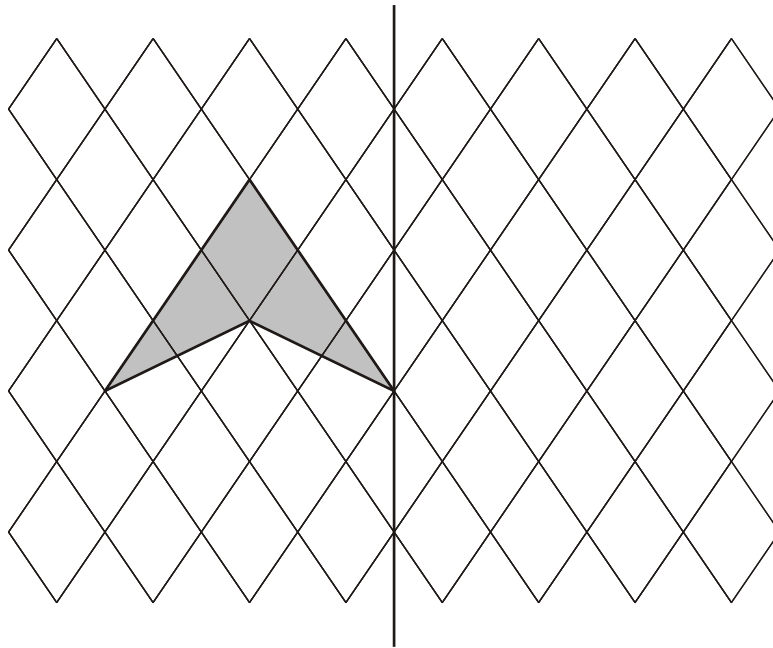
3. Here are five patterns.

For each pattern put a tick (✓) if it has a line of symmetry.

Put a cross (✗) if it does not.

2 marks

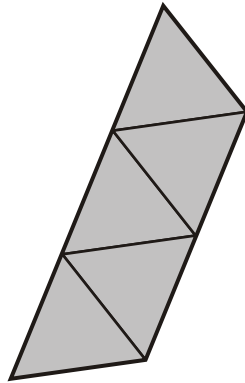**4.** Draw the reflection of the shaded shape in the mirror line.
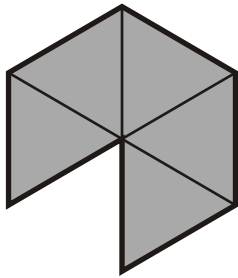
Use a ruler.

1 mark

mirror line

5. These two shapes are made from equilateral triangles.

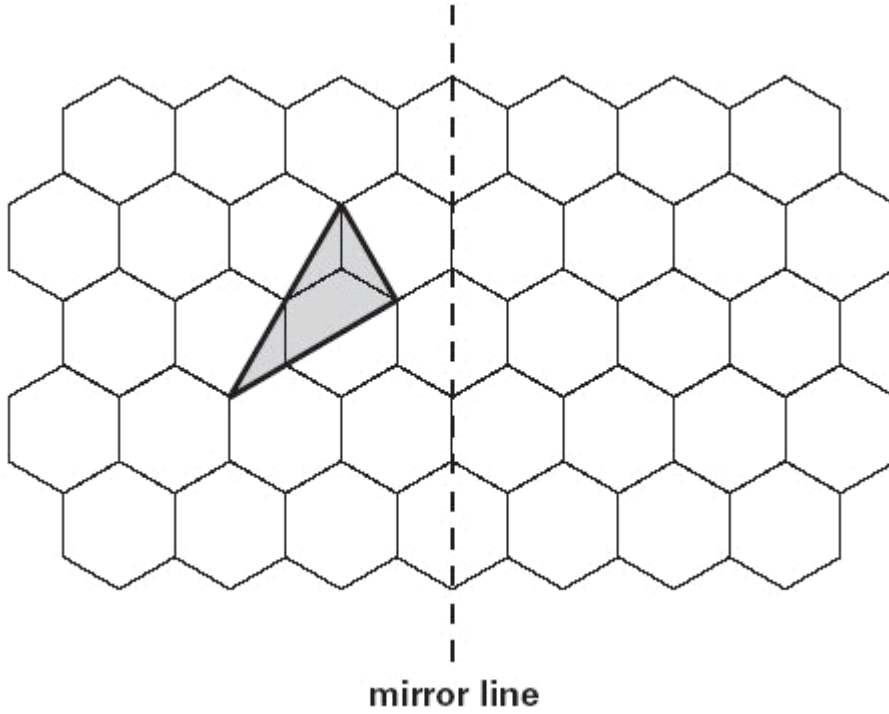Draw one line of symmetry on each shape.

Use a ruler.

✎

1 mark

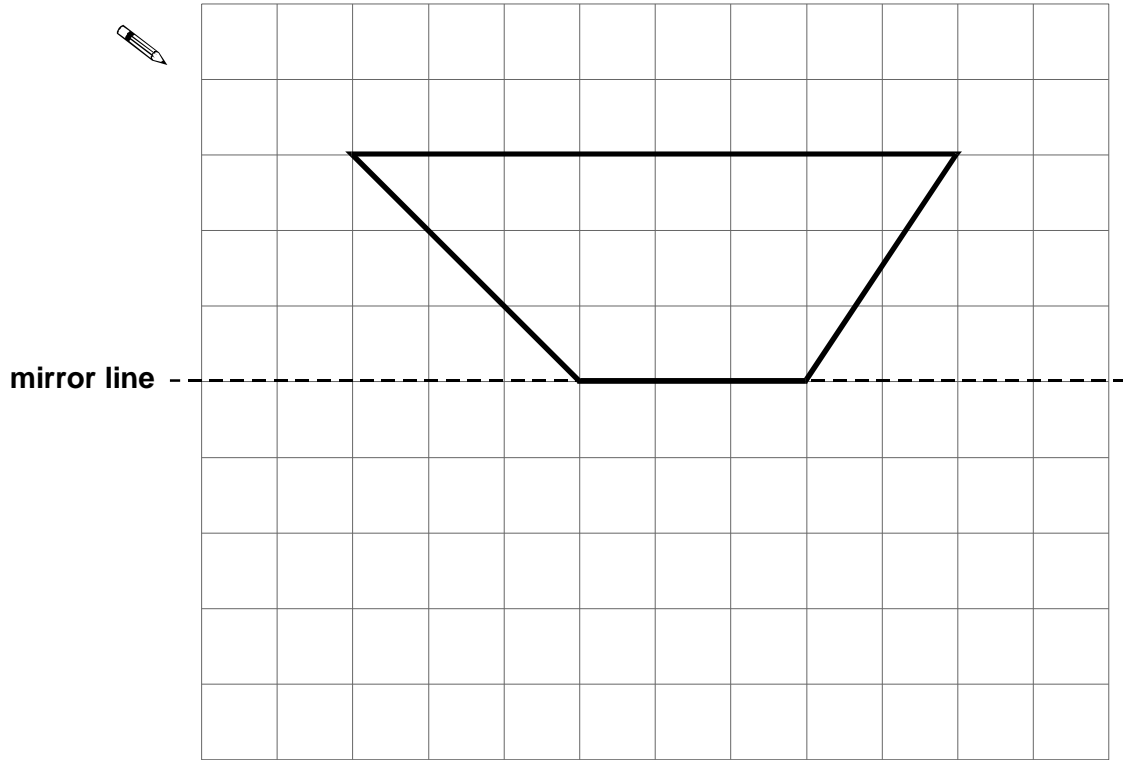**6.** This grid is made of hexagons.

Draw the reflection of the shaded shape on the grid.
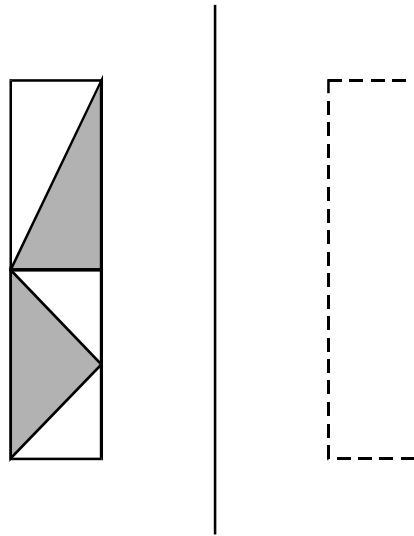
mirror line

1 mark

7. Complete the diagram below to make a shape that is symmetrical about the mirror line.

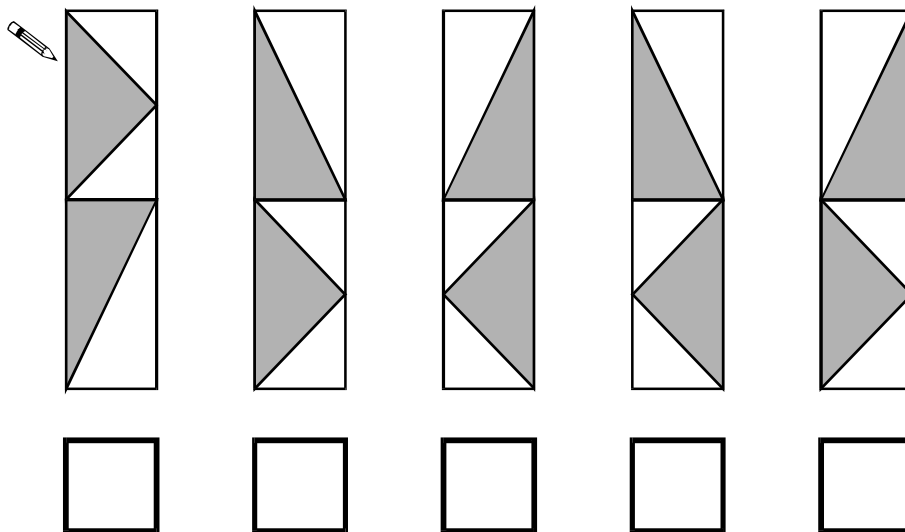Use a ruler.

mirror line

1 mark

8. Here is a design and a mirror line.

mirror line

Which **one** of the designs below is the reflection of the design in the mirror line?
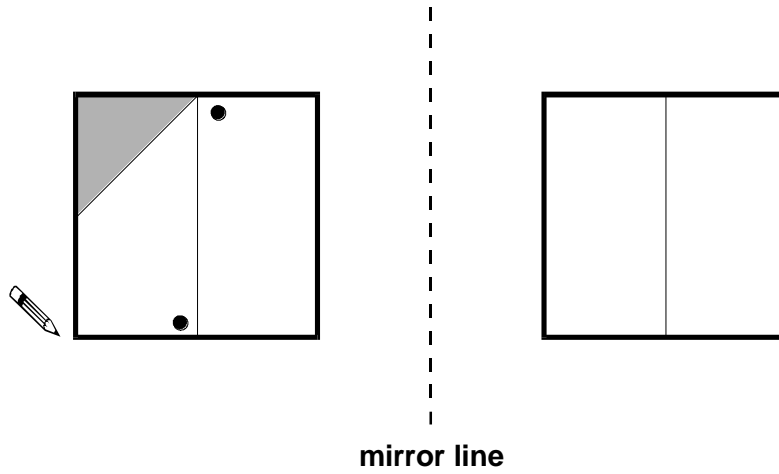
Tick (✓) the correct design.

1 mark

9. Here is a square with a design on it.

The square is reflected in the mirror line.

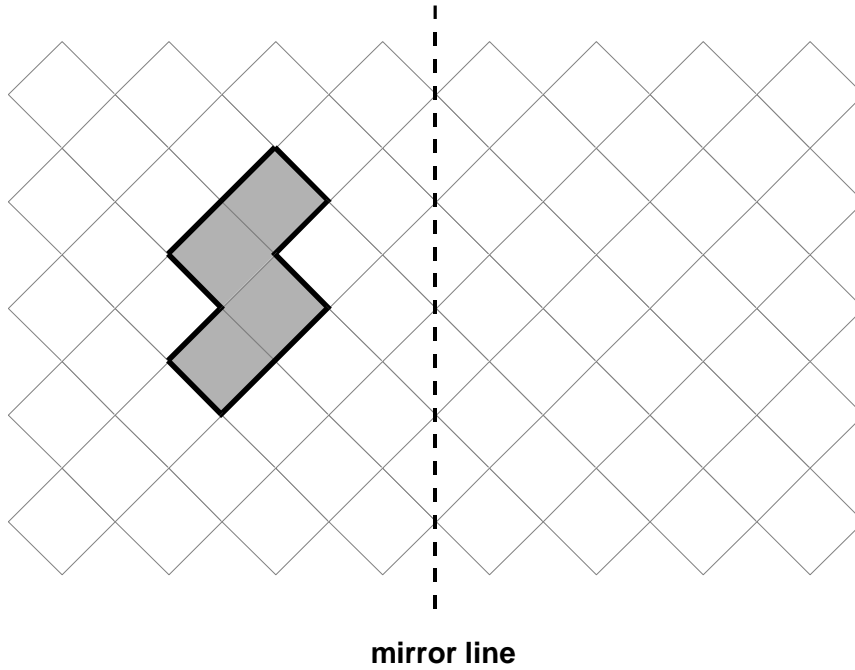Draw the missing triangle and dots on the reflected square.

You may use a mirror or tracing paper.

mirror line

1 mark

10. Draw the **reflection** of the shaded shape in the mirror line.
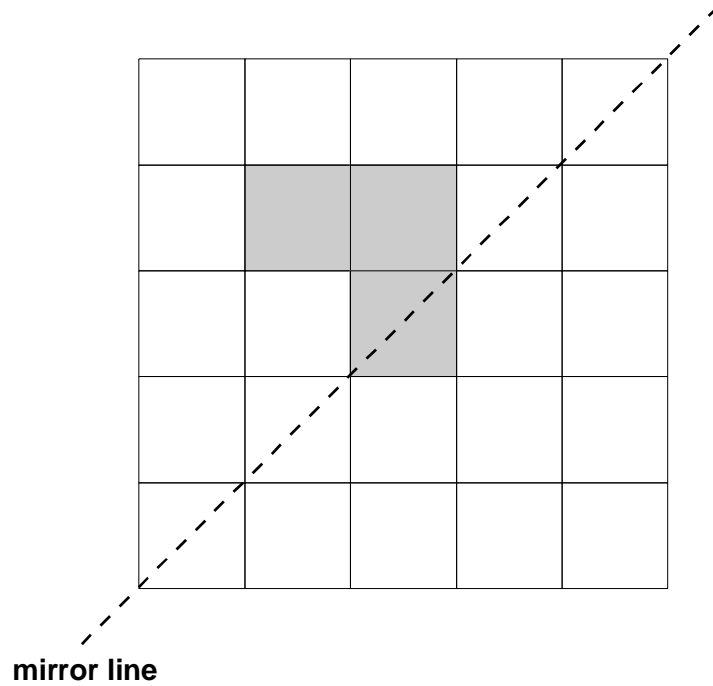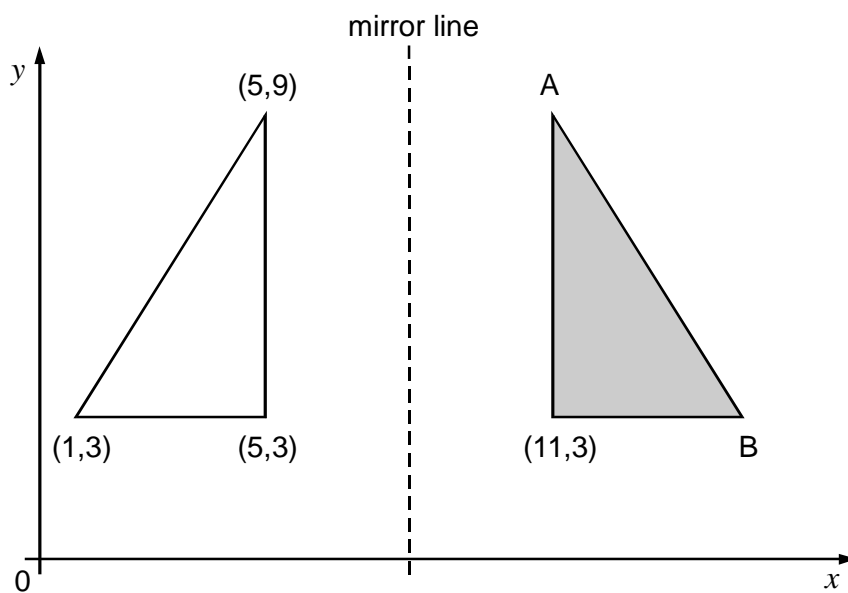
You may use a mirror or tracing paper.

mirror line

1 mark

11. Shade in **two more squares** to make this design symmetrical about the mirror line.

You may use a mirror or tracing paper.

mirror line

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

mirror line

(5,9)

A

(1,3)   (5,3)

(11,3)   B

0   x

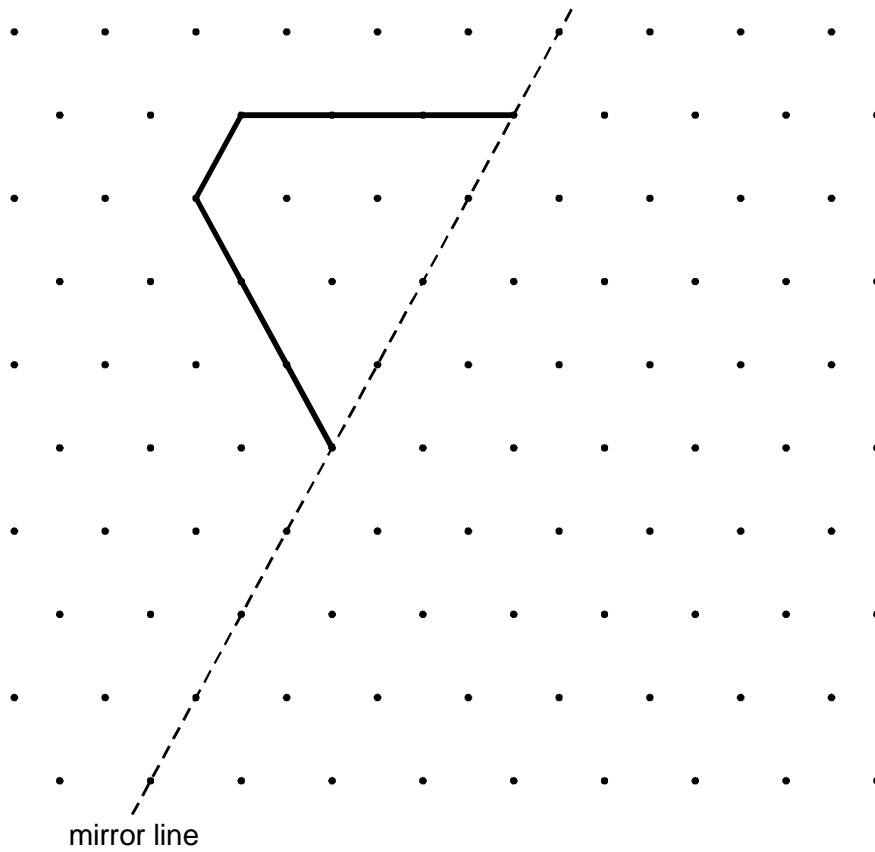Write the **co-ordinates** of point **A** and point **B**.

🖉 **A** is (,)   **B** is (,)

13. Draw the **reflection** of the shape in the **mirror line.**
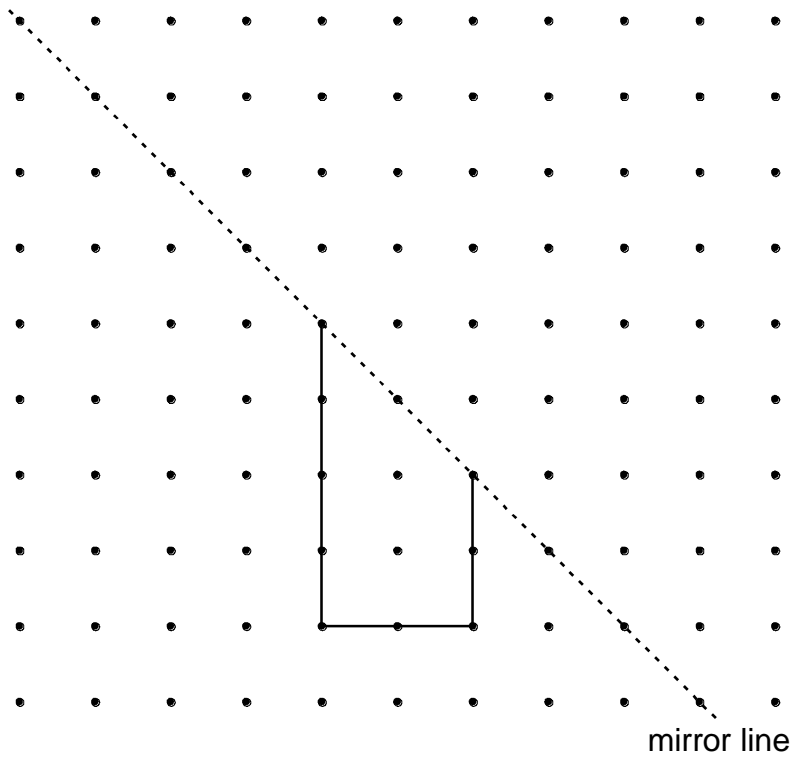
Use a ruler.

You may use a mirror or tracing paper.

🖉

mirror line

1 mark

14. Use a ruler to draw the **reflection** of this shape in the mirror line.

You may use a mirror or tracing paper.

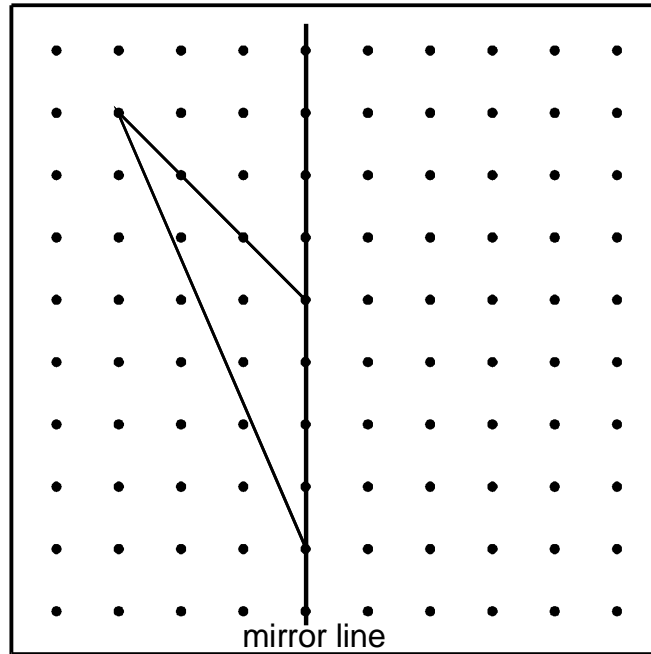mirror line

1 mark

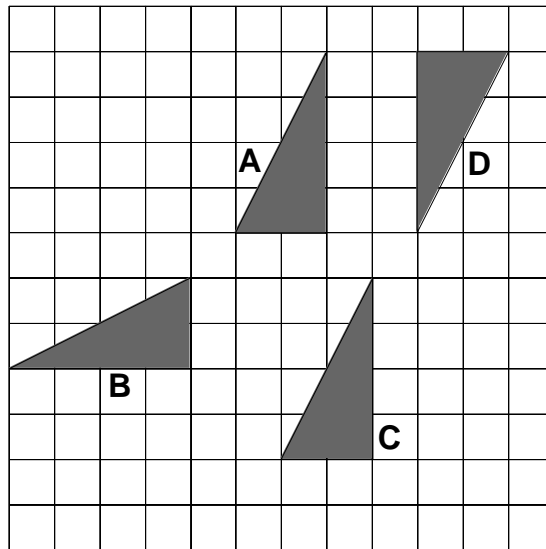**15.** Draw the **reflection** of this triangle in the mirror line.

You may use a ruler.

You may use tracing paper.

mirror line

1 mark

16.

Write the correct **letter** in this sentence.

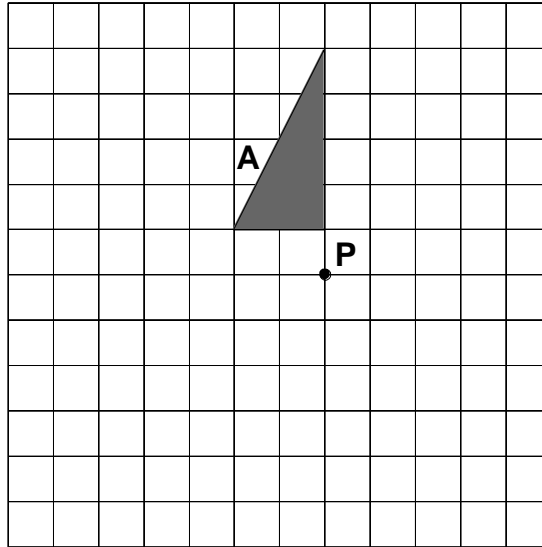✎ Shape .... is a **reflection** of shape A.

Shape A is **rotated 180°** about the **point P.**

Draw **shape A** in its **new** position on the diagram below.

You may use tracing paper.

You may use an angle measurer.

2 marks