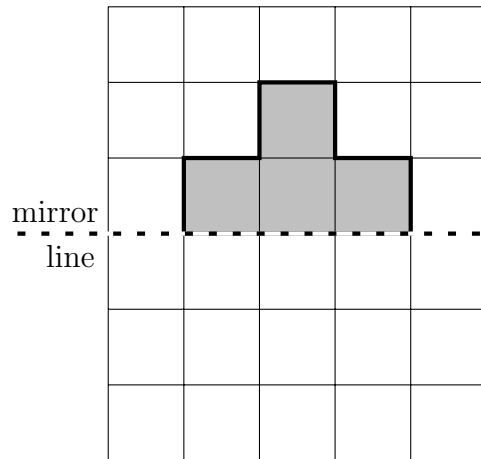


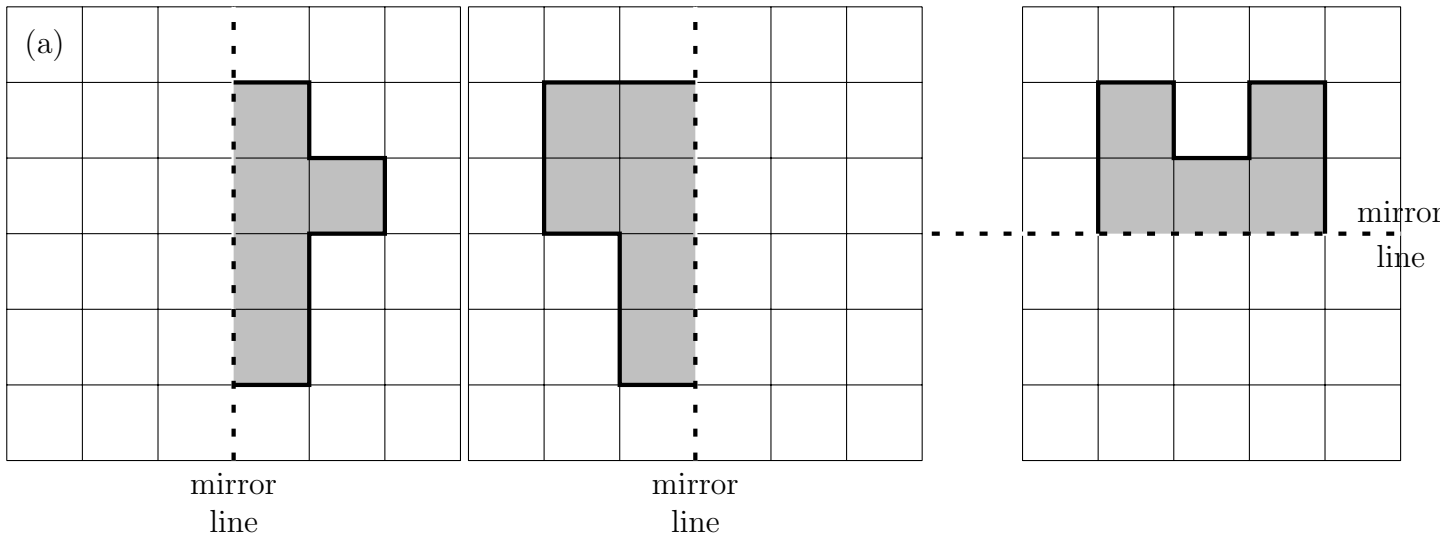
1. Reflect the shaded shape in the mirror line.

You will need a pencil and a small piece of tracing paper.

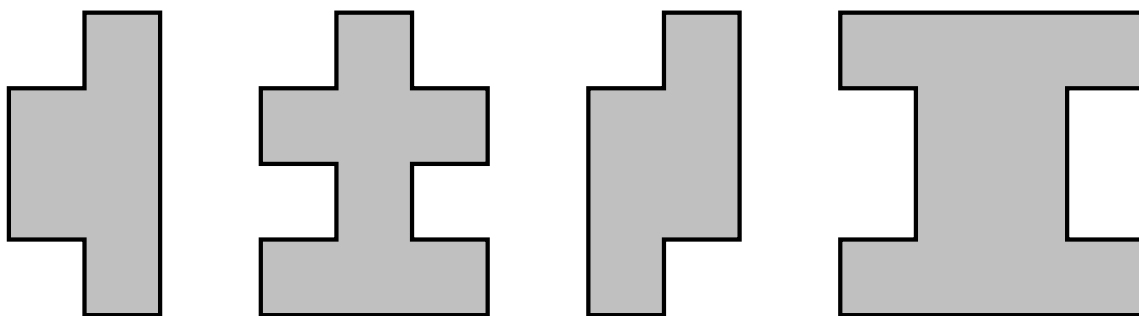
Trace the mirror line.  
 Trace the shaded shape.  
 Flip the tracing paper (drawn side down).  
 Place the mirror line correctly.  
 Trace over your shape.  
 Check the shape is traced clearly enough.



2. Reflect the shaded shape in the mirror line. {mirror line touches shape}

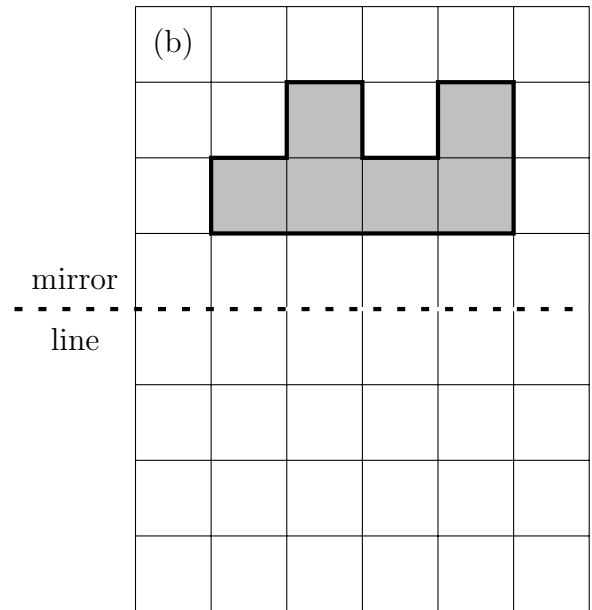
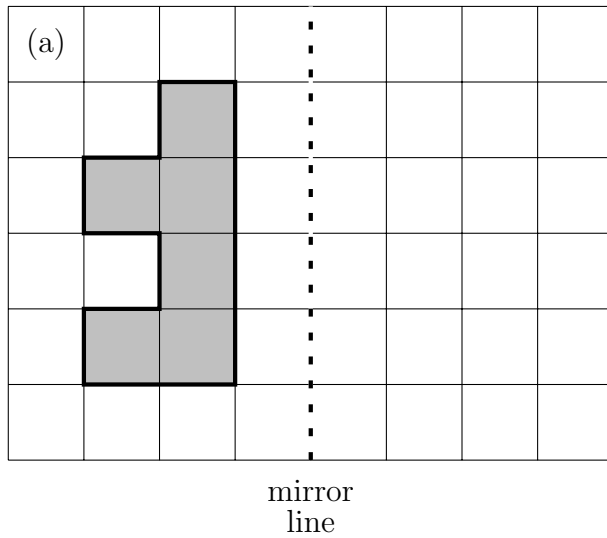


3. Some shapes have a line of symmetry and some do not.

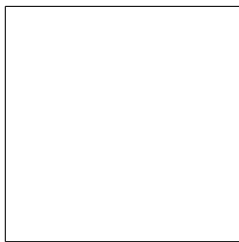


Draw a line of symmetry on each shape (if there is one).

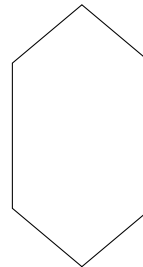
4. Reflect the shaded shape in the mirror line. {mirror line does NOT touch shape}



5. (i) For each shape, draw on **all** the lines of symmetry.



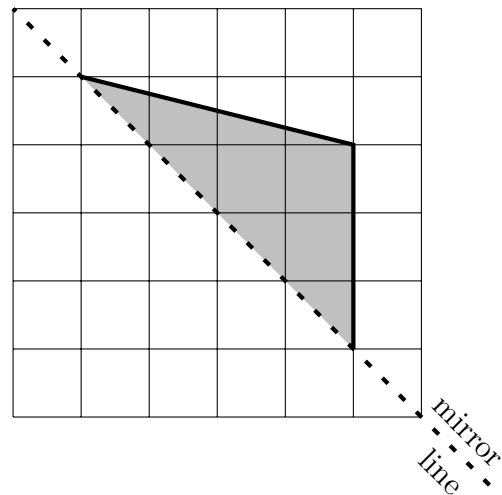
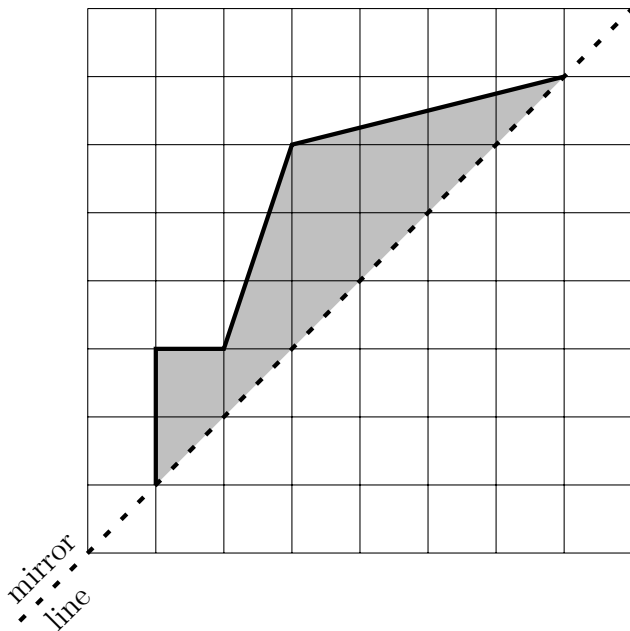
... lines of symmetry



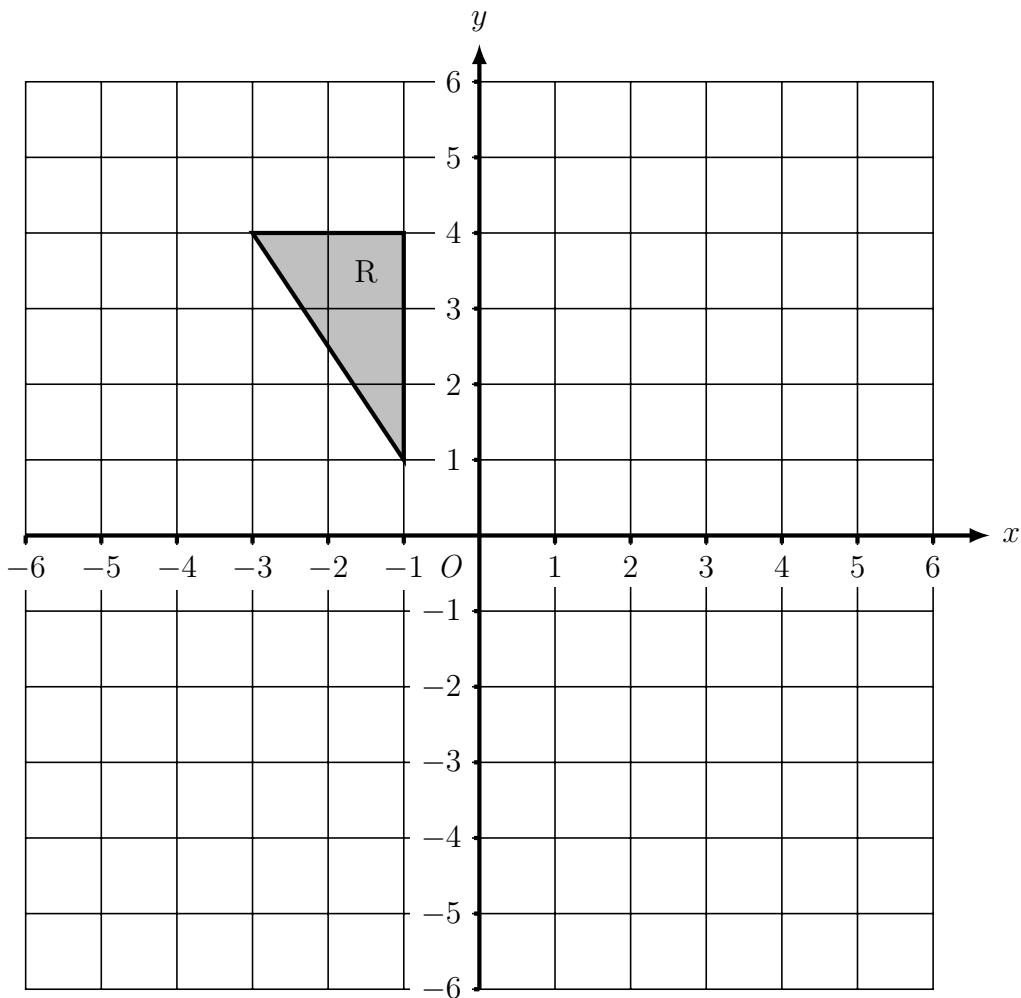
... lines of symmetry

(ii) Write down the number of lines of symmetry below each shape.

6. Reflect the shaded shape in the {diagonal} mirror line.

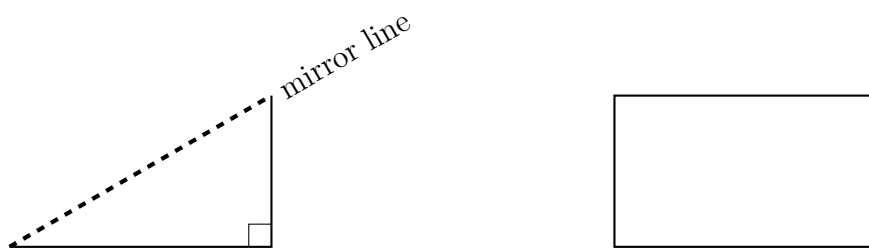


7. (a) On the grid below, reflect triangle R in the  $x$ -axis.



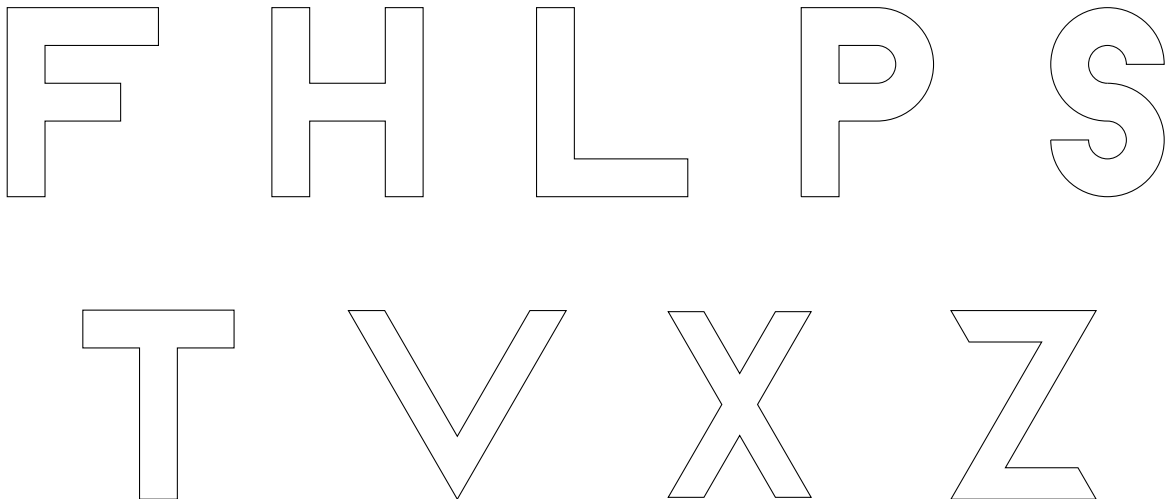
(b) On the grid above, reflect triangle R in the  $y$ -axis.

8. A right angled triangle and a rectangle are drawn below.



- (i) Reflect the triangle in the mirror line.
- (ii) Draw all the lines of symmetry on the rectangle.

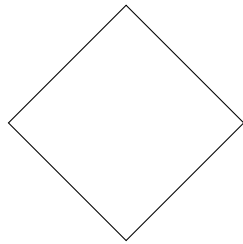
9. (a) Here are nine letters.



**Two** of these letters have exactly **two** lines of symmetry.

Write down these **two** letters.

- (b) On this quadrilateral, draw all the lines of symmetry.



- (c) On this rectangle, draw all the lines of symmetry.



10. Reflect V in the line  $x = 1$  {or  $y = 3$  or  $y = 0$  or  $x = 0$ } and label it W
11. Reflect V in the line  $y = x$  {or  $y = -x$ } and label it W
12. On the shape below, shade as few squares as possible so that so the dotted line is a line of symmetry.

