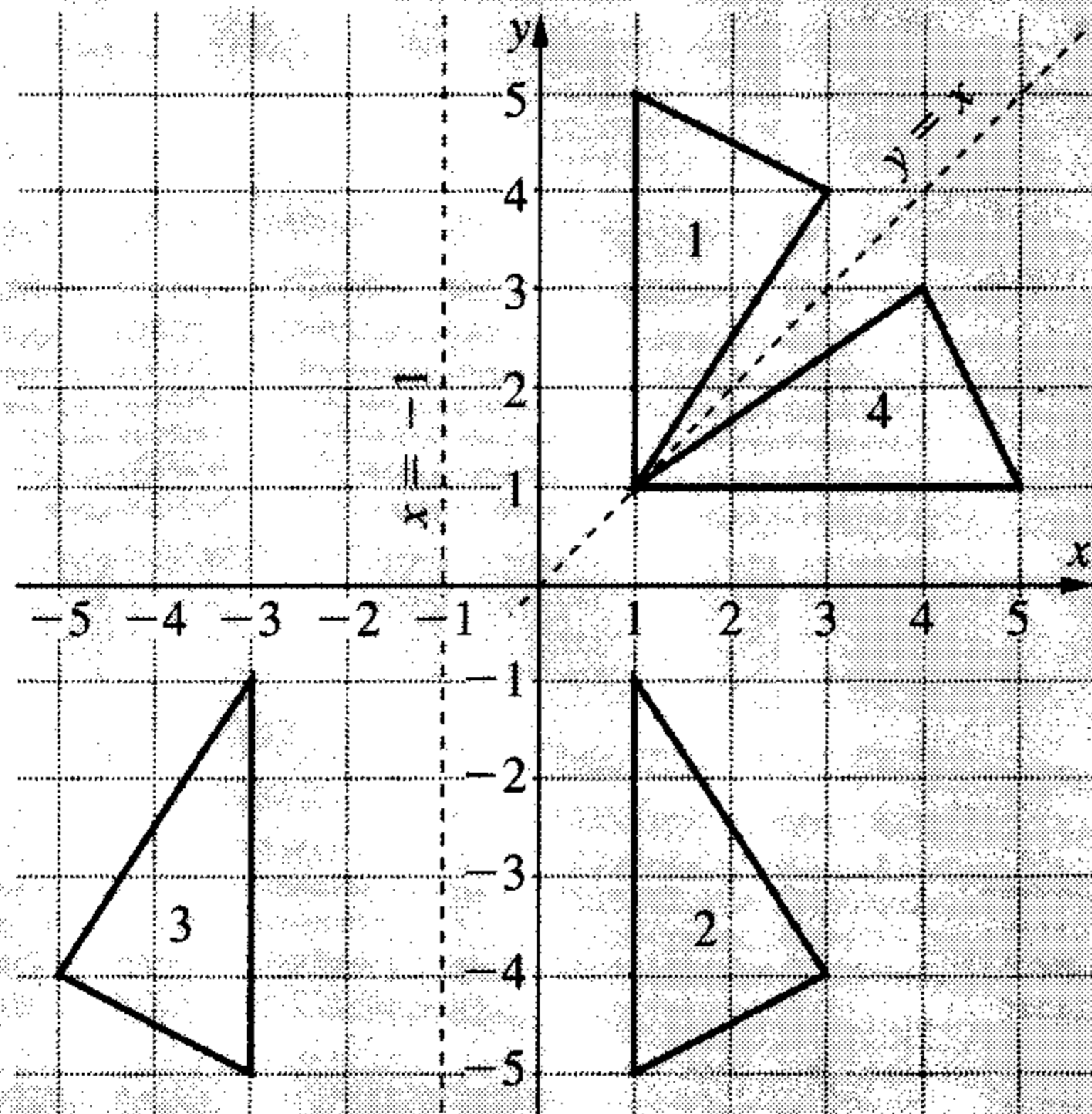


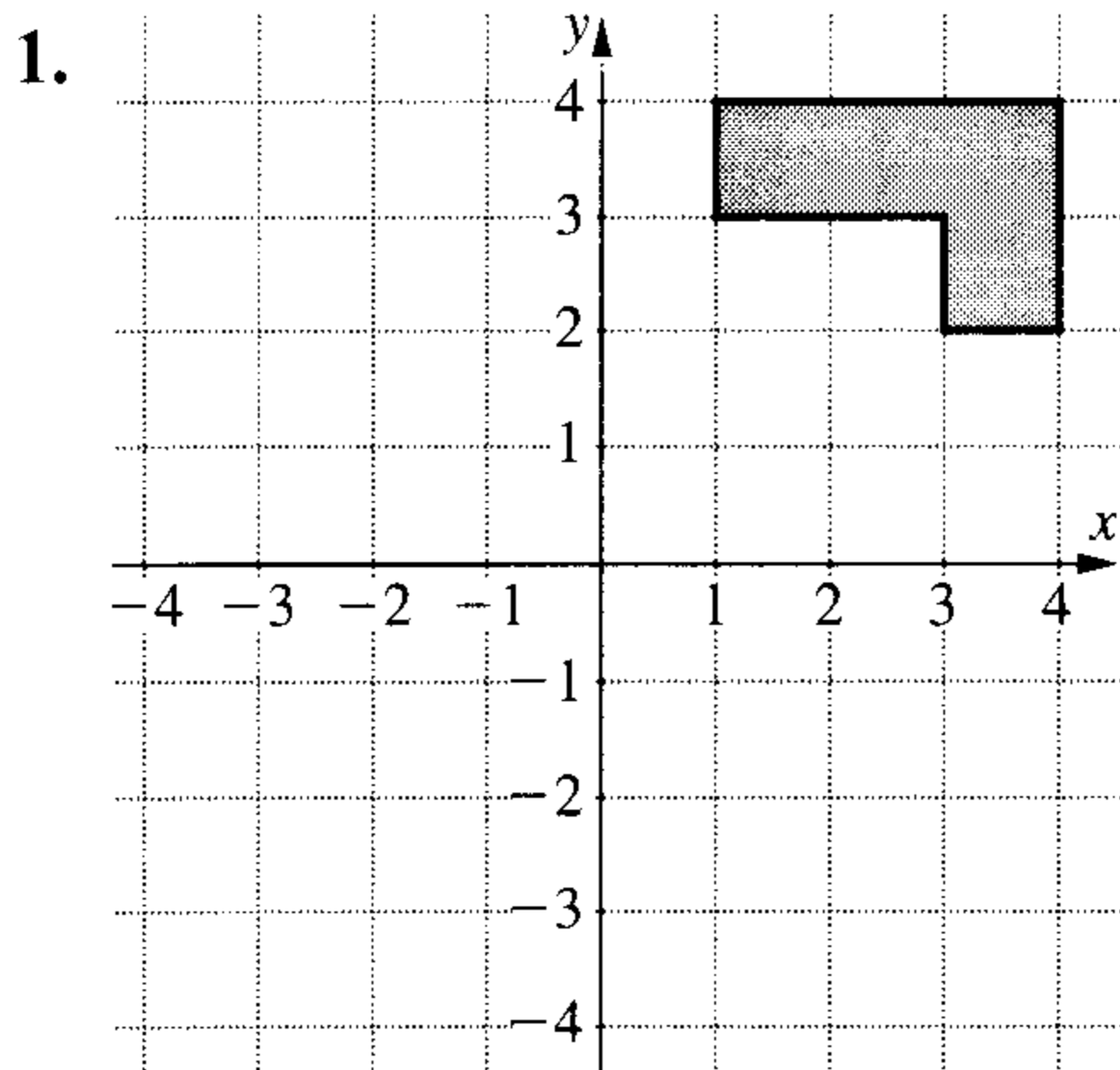
## Using coordinates

- (a) Triangle 2 is the image of triangle 1 under reflection in the  $x$  axis.  
We will use the shorthand ' $\Delta$ ' for 'triangle'.
- (b)  $\Delta 3$  is the image of  $\Delta 2$  under reflection in the line  $x = -1$ .
- (c)  $\Delta 4$  is the image of  $\Delta 1$  under reflection in the line  $y = x$ .

Teacher's note. There is work on equations of lines in section 5.1, 'Graphs of straight lines'.



### Exercise 2



Copy the diagram.

- (a) Reflect the shape in the  $x$  axis.  
Label the image A.
- (b) Reflect the shape in the  $y$  axis.  
Label the image B.

2. Copy the diagram onto squared paper.
- (a) Reflect the shaded triangle in  $y = 2$ . Label the image A.
- (b) Reflect the shaded triangle in  $x = 1$ . Label the image B.
- (c) Reflect the shaded triangle in the  $x$  axis. Label the image C.

