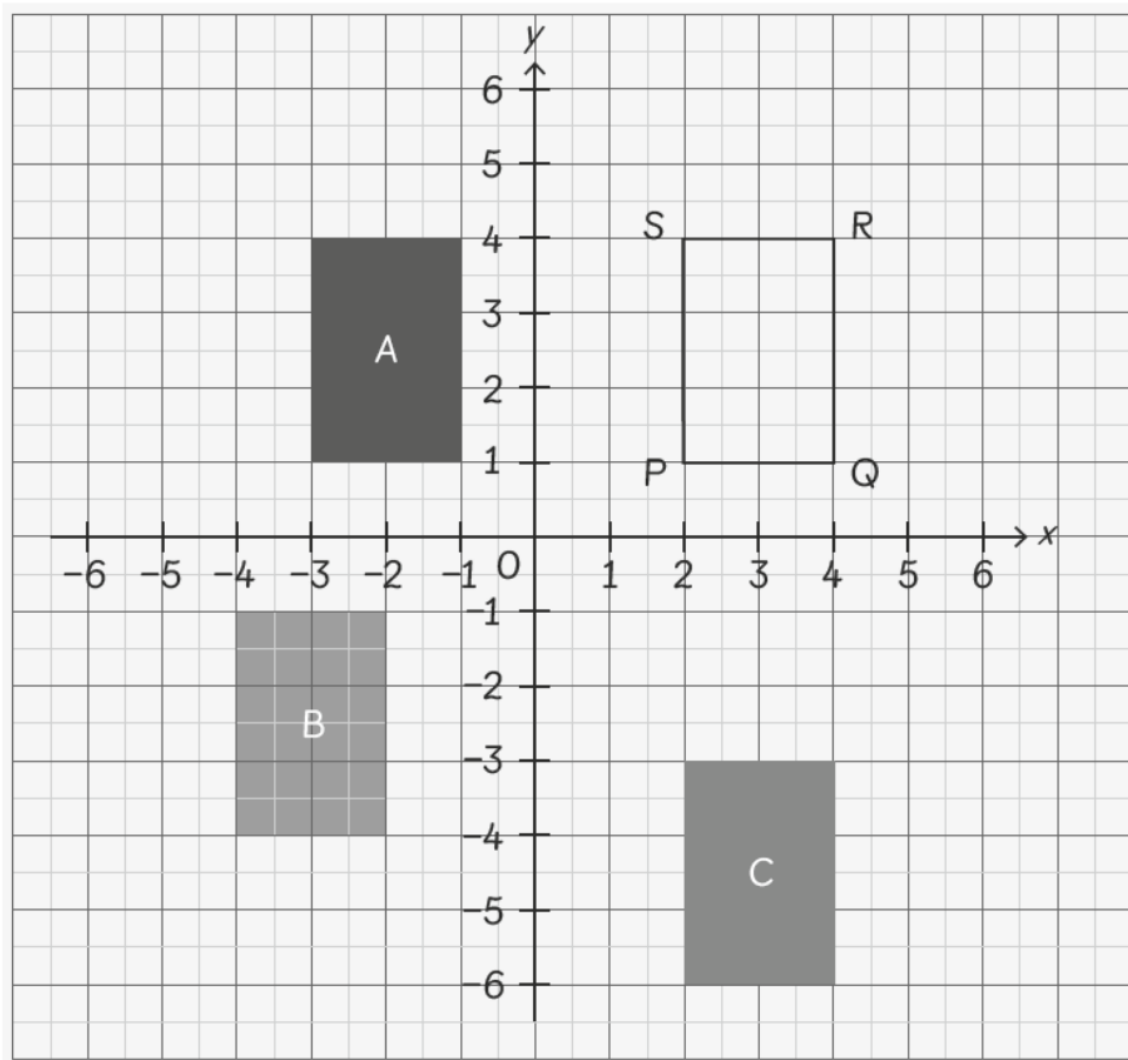


Worksheet 5

Describing Translations

Some rectangles are shown on the grid below.



Lulu describes how she moves rectangle PQRS to the position of rectangle A.

Translate 5 units to the left

1 Describe the translation that moves rectangle PQRS to each of the following positions. Use Lulu's description to help you.

(a) rectangle B

6 units to the left and 5 units down

(b) rectangle C

7 units down

2 Describe the translation that moves rectangle B to rectangle C.

6 units to the right and 2 units down

3 For each rectangle, write the coordinates of the position where the original point R ends up.

(a) rectangle A

$(-1, 4)$

(b) rectangle B

$(-2, -1)$

(c) rectangle C

$(4, -3)$