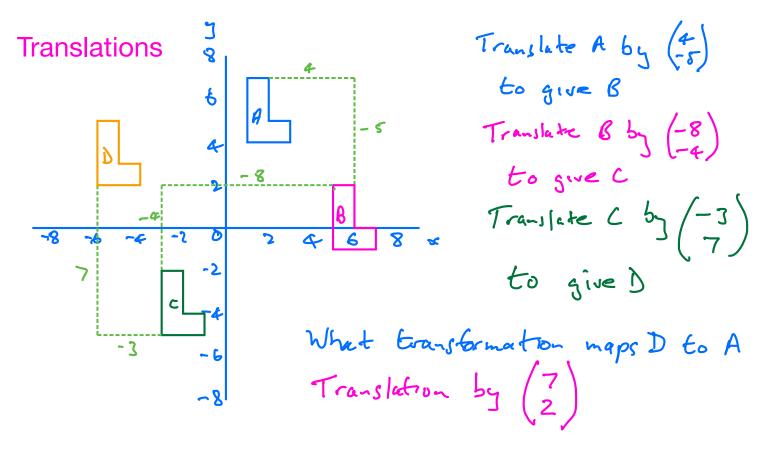
Transformations

Translations, Reflections, Rotations, Enlargements



(3) is called a column vector. The top number specifies the movement in the x-direction and the bottom number specifies the movement in the y-direction.

EXERCISE 8B

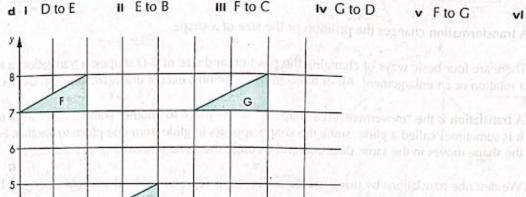
Use vectors to describe the following translations.

II E to B

a 1	A to B	II A to C	III A to D	Iv A to E	• A to F	vI A to G
b i	B to A	ii B to C	iii B to D	Iv B to E	v B to F	vi B to G
a 1	C to A	II C to B	III C to D	Iv C to E	v C to F	vi C to G

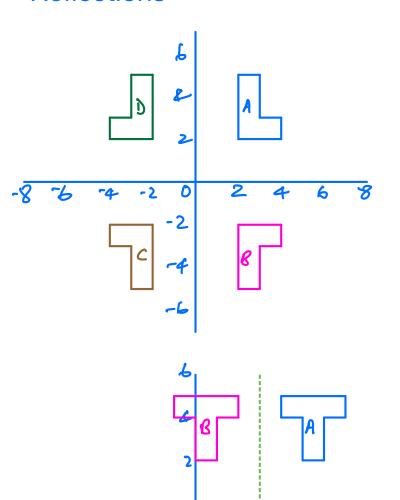
v F to G

III F to C



C

Reflections



Reflect A in x-axis to give B

Reflect B in y-axis to give C

Ester Reflect C in x-axis

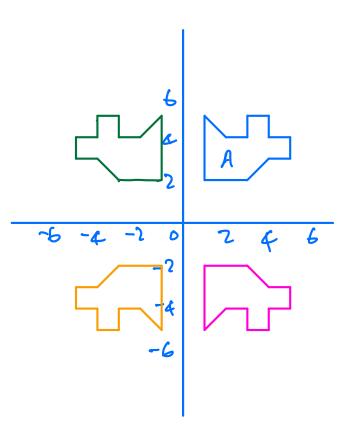
or reflect A in y-axis

to give D

Retlect A in line == 3 to give B

Reflect A in line y=-1 to give C

Exercise Reflect across axes to obtain an image in each quadrant



Retlect A across axes into every quadrant.