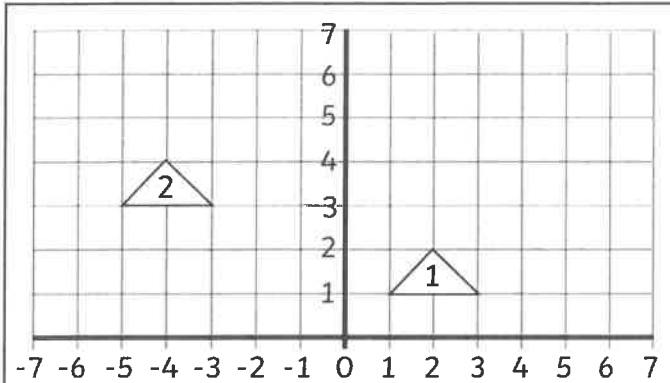


2D Shape Translations

I can describe the translation of a 2D shape on a two-quadrant co-ordinate grid.

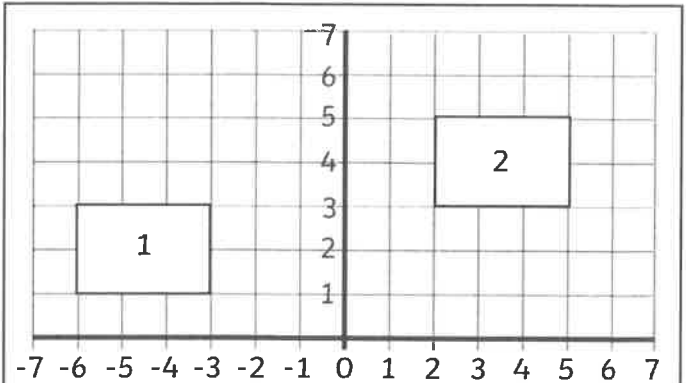
Describe the positions and translations of the 2D shapes.



Starting co-ordinates:

Translation:

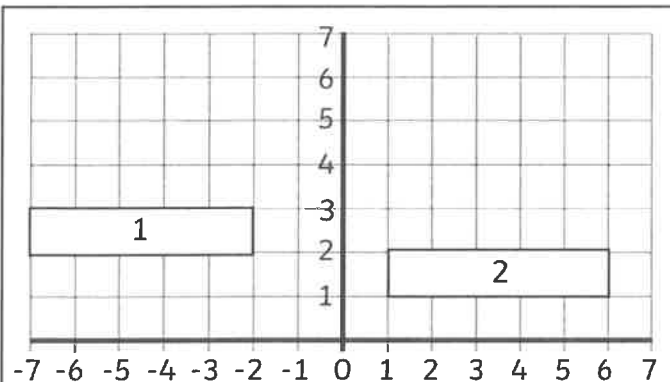
Finishing co-ordinates:



Starting co-ordinates:

Translation:

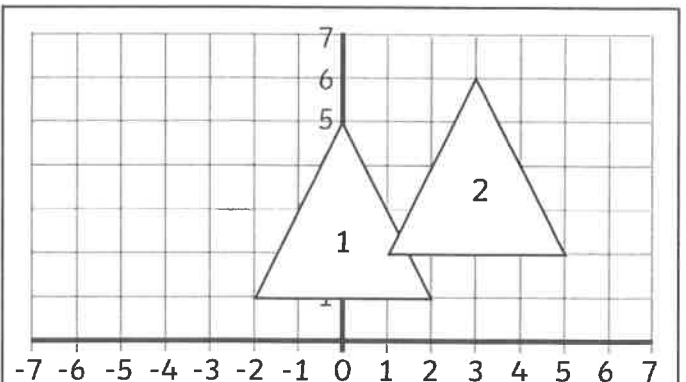
Finishing co-ordinates:



Starting co-ordinates:

Translation:

Finishing co-ordinates:



Starting co-ordinates:

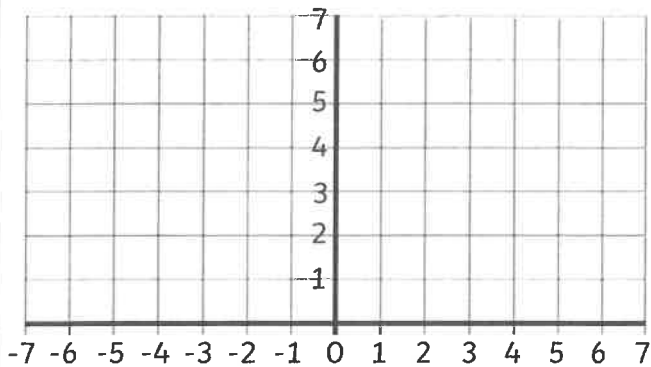
Translation:

Finishing co-ordinates:

2D Shape Translations

Plot the following co-ordinates and follow the translations to reveal a new shape.

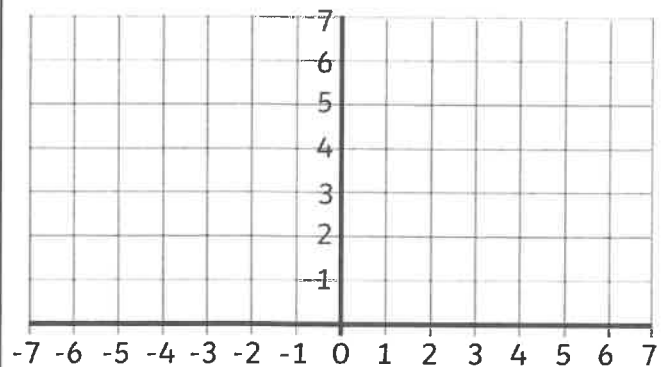
Plot these co-ordinates to reveal a shape:
(0,1), (2,1), (2,3), (0,3)



Translate the shape left 6, down 1.

What are the co-ordinates of the new shape?

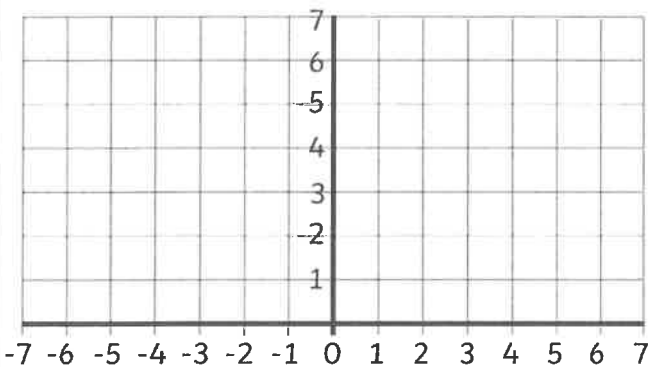
Plot these co-ordinates to reveal a shape:
(-2, 3), (-1, 5), (-3, 5)



Translate the shape right 4, down 2.

What are co-ordinates of the new shape?

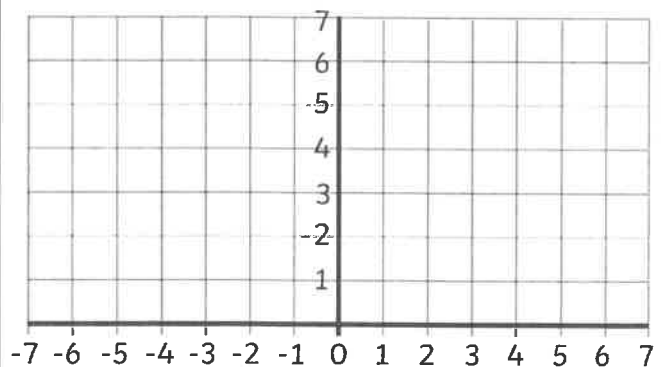
Plot these co-ordinates to reveal a shape:
(1,1), (3,1), (1,3)



Translate the shape left 2, up 2.

What are the co-ordinates of the new shape?

Plot these co-ordinates to reveal a shape:
(3,3), (4,4), (3,5), (2,4)



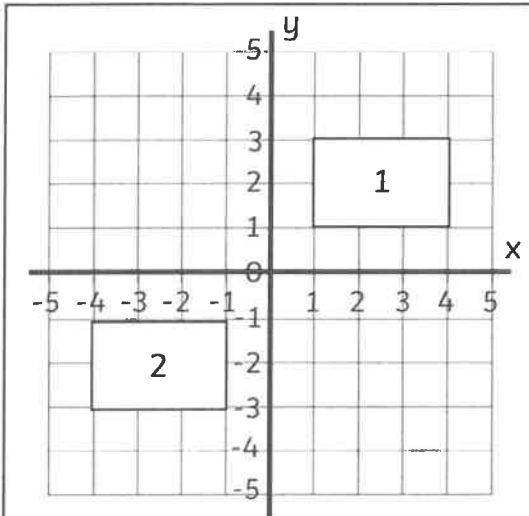
Translate the shape left 3, down 3.

What are the co-ordinates of the new shape?

2D Shape Translations

I can describe the translation of a 2D shape on a four-quadrant co-ordinate grid.

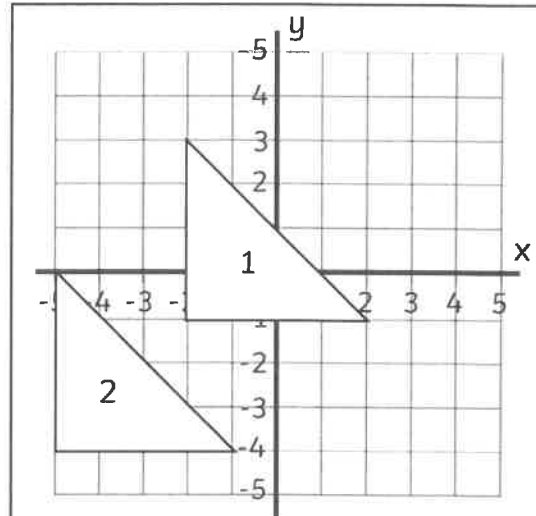
Describe the positions and translations of the 2D shapes.



Starting co-ordinates:

Translation:

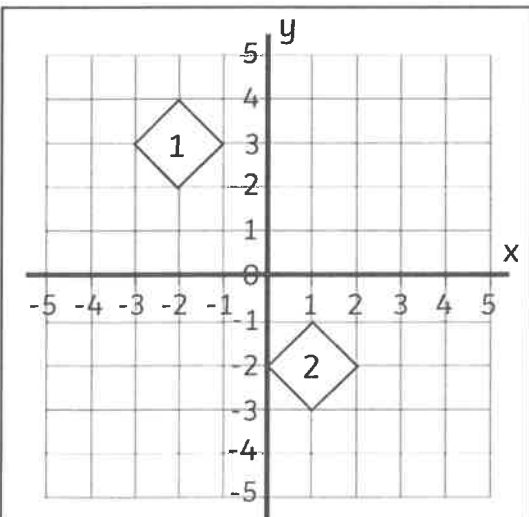
Finishing co-ordinates:



Starting co-ordinates:

Translation:

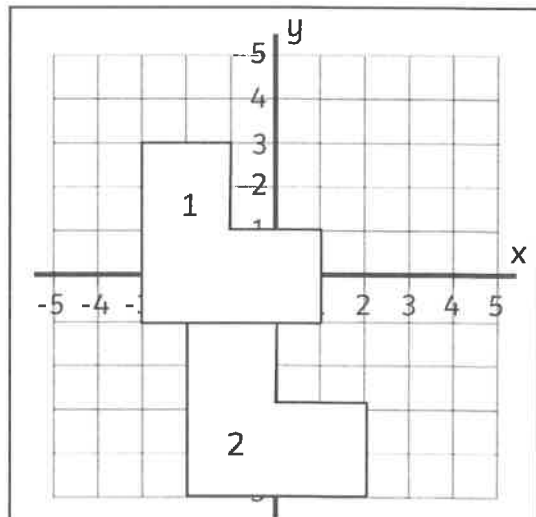
Finishing co-ordinates:



Starting co-ordinates:

Translation:

Finishing co-ordinates:



Starting co-ordinates:

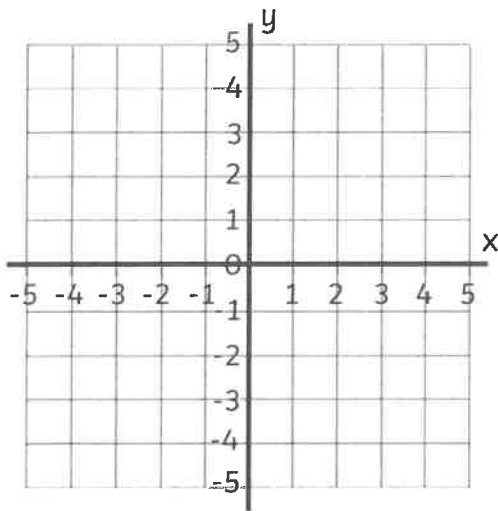
Translation:

Finishing co-ordinates:

2D Shape Translations

Plot the following co-ordinates and follow the translations to reveal a new shape.

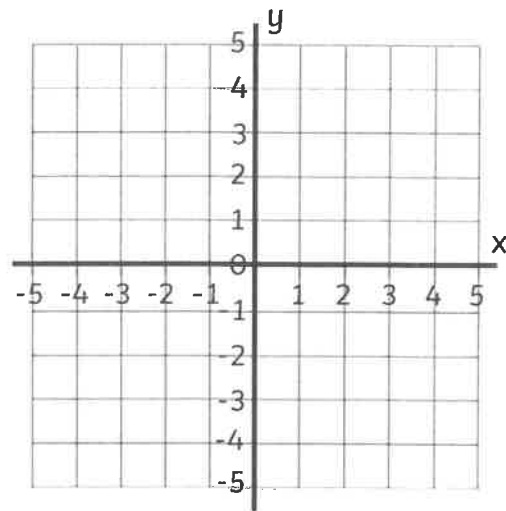
Plot these co-ordinates to reveal a shape: $(-3,-1)$, $(-3,-2)$, $(1,-1)$, $(1,-2)$



Translate the shape right 3, up 3.

What are the co-ordinates of the new shape?

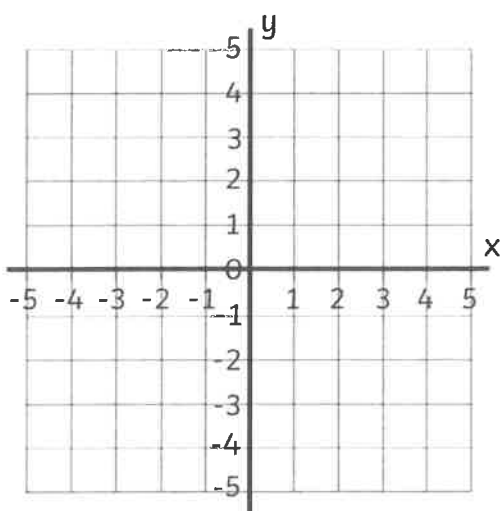
Plot these co-ordinates to reveal a shape: $(2,1)$, $(4,1)$, $(0,-3)$, $(0,-1)$



Translate the shape left 4, up 1.

What are the co-ordinates of the new shape?

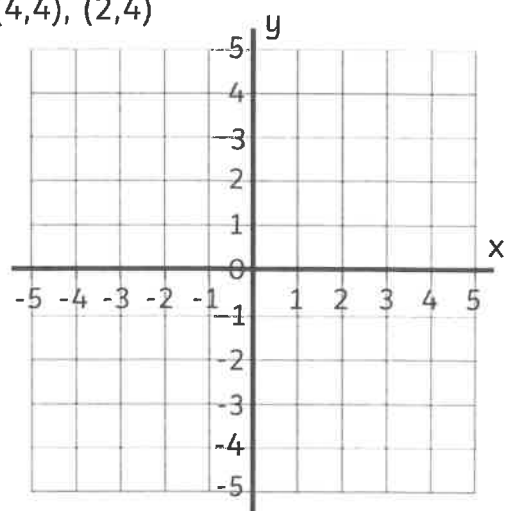
Plot these co-ordinates to reveal a shape: $(-2,4)$, $(-4,-3)$, $(0,-3)$



Translate the shape right 4, down 2.

What are the co-ordinates of the new shape?

Plot these co-ordinates to reveal a shape: $(2,1)$, $(3,1)$, $(3,3)$, $(4,3)$, $(4,4)$, $(2,4)$



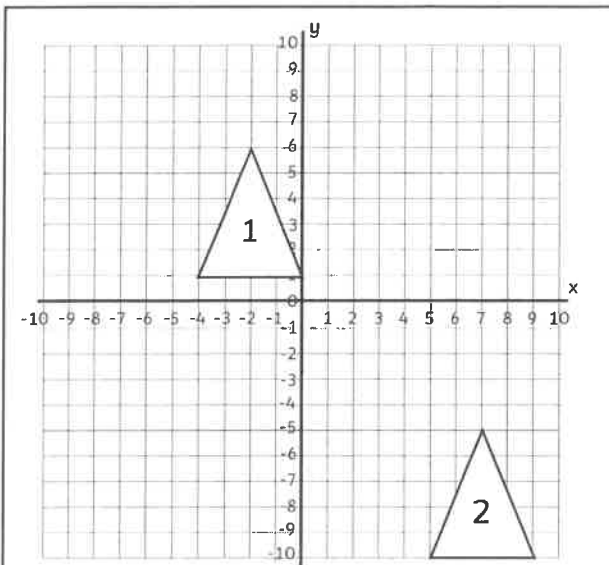
Translate the shape left 3, down 4.

What are the co-ordinates of the new shape?

2D Shape Translations

I can describe the translation of a 2D shape on a four-quadrant co-ordinate grid.

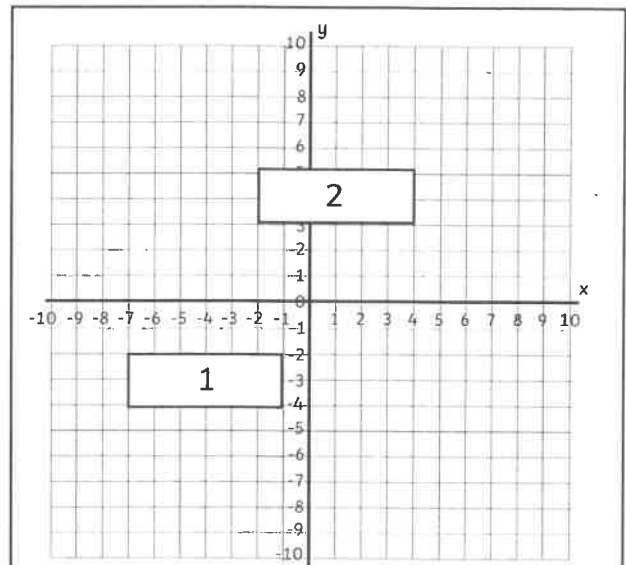
Describe the positions and translations of the 2D shapes.



Starting co-ordinates:

Translation:

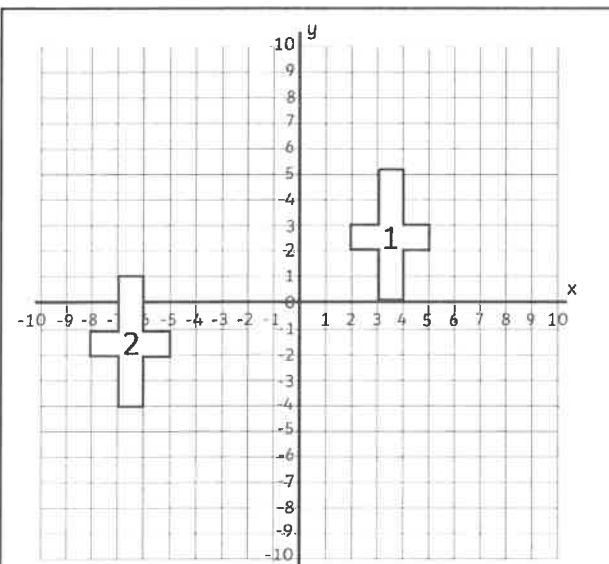
Finishing co-ordinates:



Starting co-ordinates:

Translation:

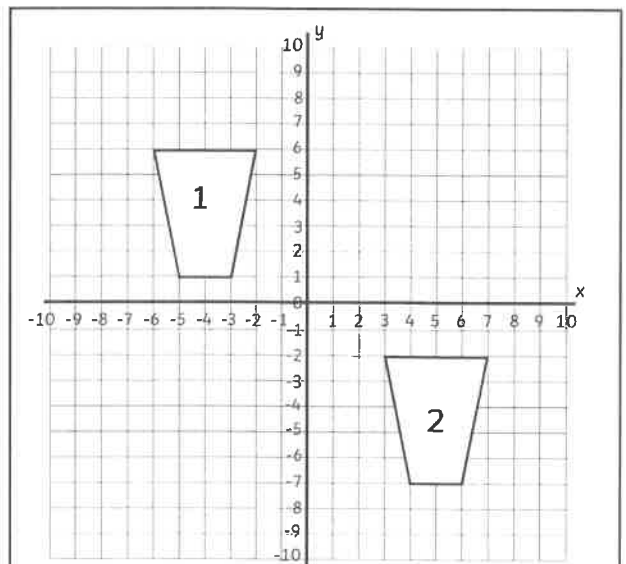
Finishing co-ordinates:



Starting co-ordinates:

Translation:

Finishing co-ordinates:



Starting co-ordinates:

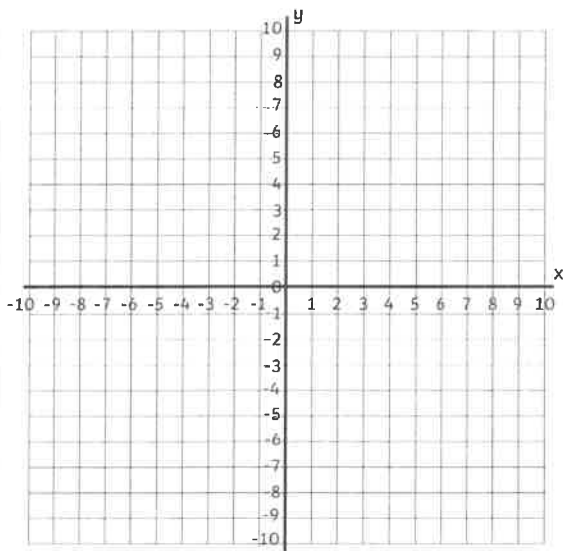
Translation:

Finishing co-ordinates:

2D Shape Translations

Plot the following co-ordinates and follow the translations to reveal a new shape.

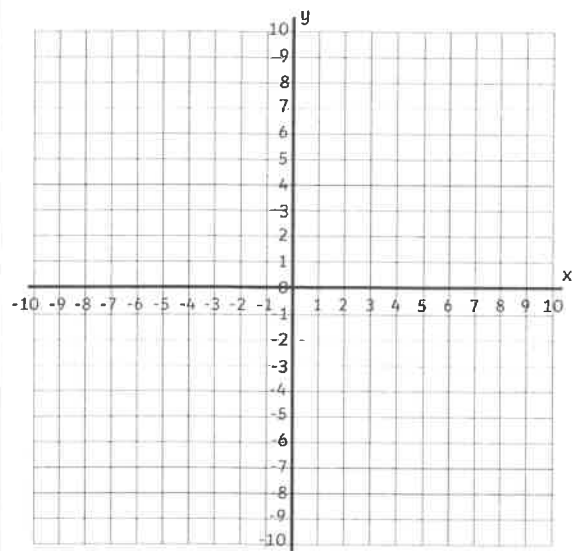
Plot these co-ordinates to reveal a shape: $(-8,-5)$, $(-4,-5)$, $(-4,-3)$, $(-6,-3)$, $(-6,3)$, $(-8,3)$



Translate the shape right 3, down 2.

What are the co-ordinates of the new shape?

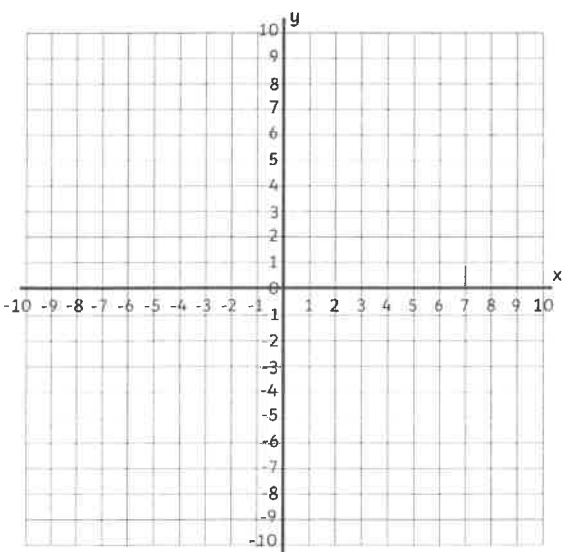
Plot these co-ordinates to reveal a shape: $(-2,-6)$, $(-5,-2)$, $(-8,-6)$, $(-5,-10)$



Translate the shape right 6, up 9.

What are the co-ordinates of the new shape?

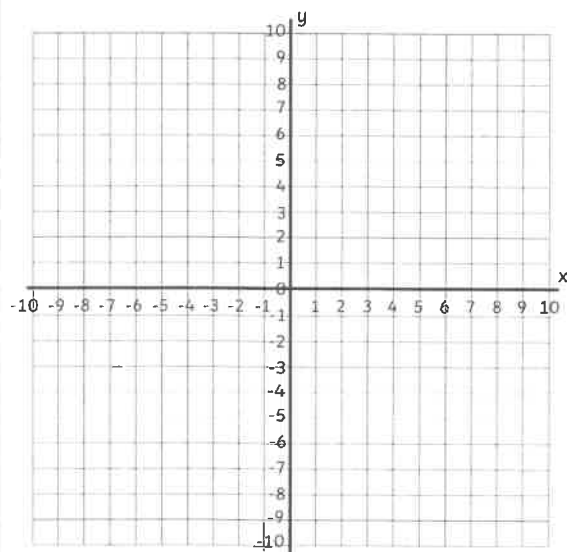
Plot these co-ordinates to reveal a shape: $(5,3)$, $(8,3)$, $(9,5)$, $(8,7)$, $(5,7)$, $(4,5)$



Translate the shape left 9, down 5.

What are the co-ordinates of the new shape?

Plot these co-ordinates to reveal a shape: $(-3,-1)$, $(-5,2)$, $(-7,5)$, $(-3,5)$, $(-7,-1)$



Translate the shape left 3, up 5.

What are the co-ordinates of the new shape?