

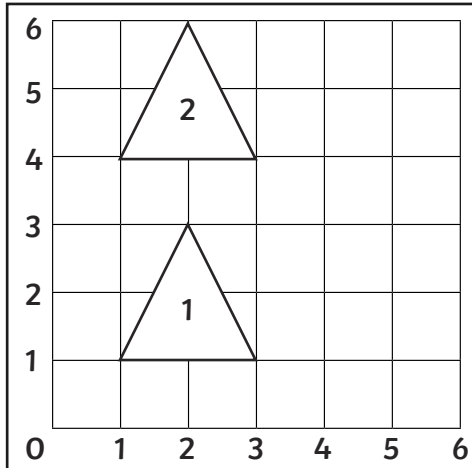


# 2D Shape Translations

I can describe the translation of a 2D Shape on a co-ordinate grid.



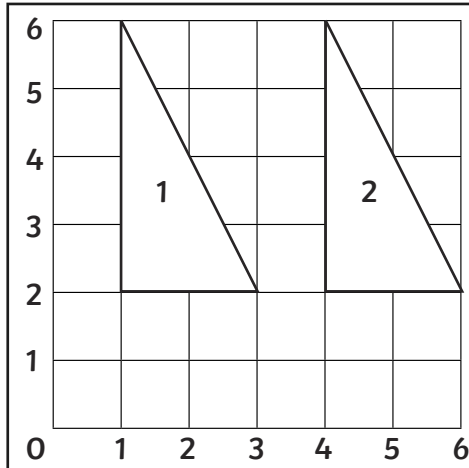
Describe the positions and translations of the 2D shapes:



Starting Coordinates:

Translation:

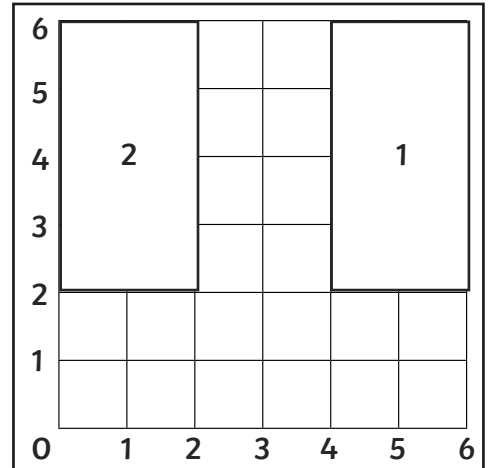
Finishing Coordinates:



Starting Coordinates:

Translation:

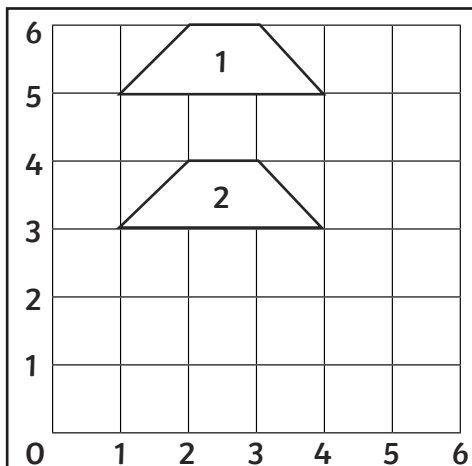
Finishing Coordinates:



Starting Coordinates:

Translation:

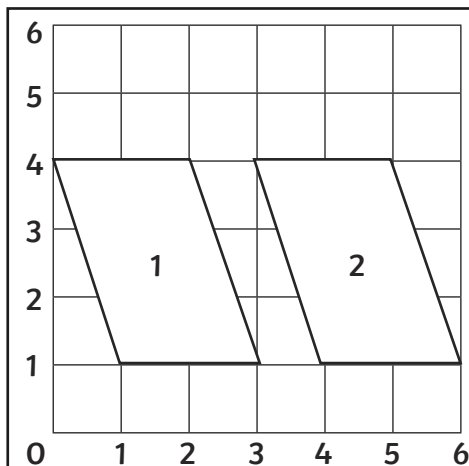
Finishing Coordinates:



Starting Coordinates:

Translation:

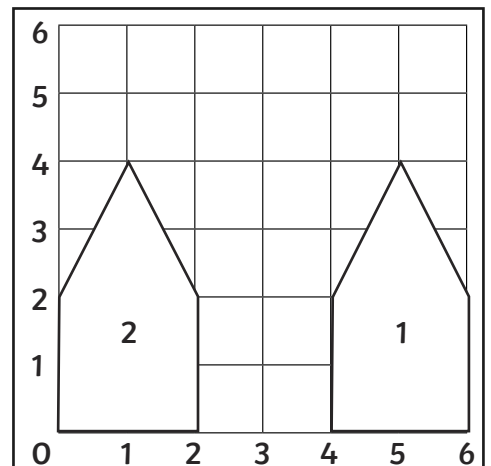
Finishing Coordinates:



Starting Coordinates:

Translation:

Finishing Coordinates:



Starting Coordinates:

Translation:

Finishing Coordinates:

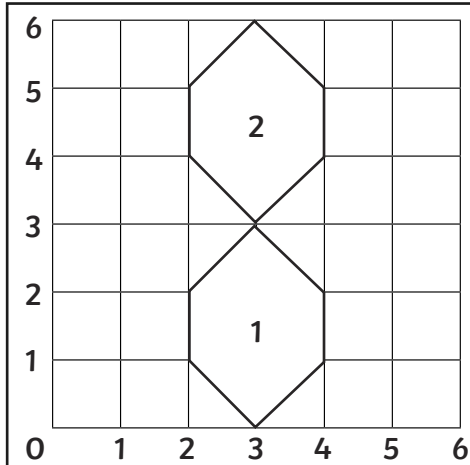


# 2D Shape Translations

I can describe the translation of a 2D Shape on a co-ordinate grid.



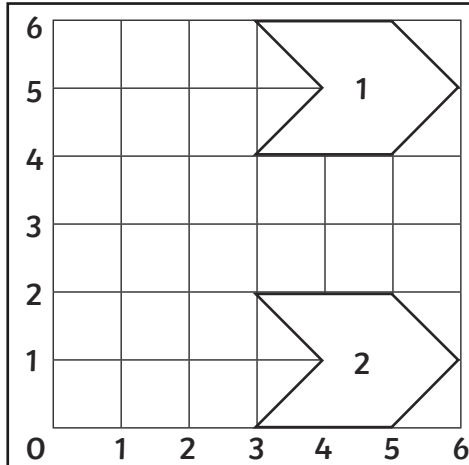
Describe the positions and translations of the 2D shapes:



Starting Coordinates:

Translation:

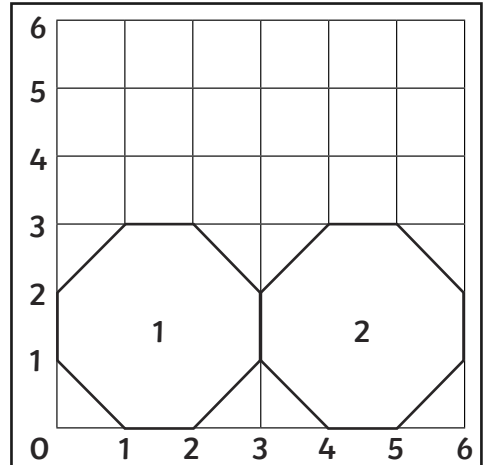
Finishing Coordinates:



Starting Coordinates:

Translation:

Finishing Coordinates:



Starting Coordinates:

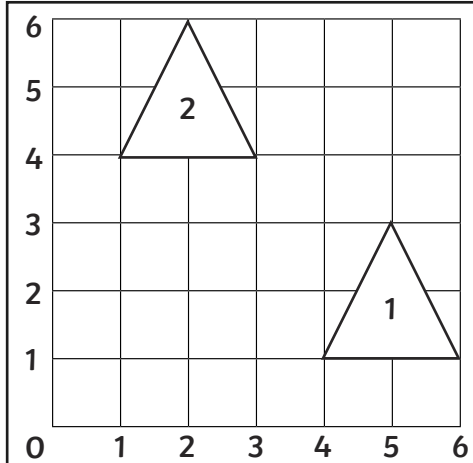
Translation:

Finishing Coordinates:

# 2D Shape Translations

I can describe the translation of a 2D Shape on a co-ordinate grid.

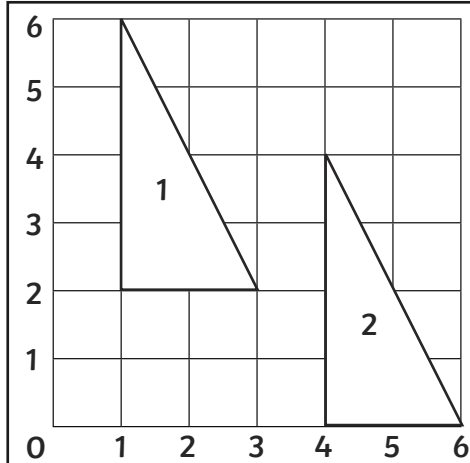
Describe the positions and translations of the 2D shapes:



Starting Coordinates:

Translation:

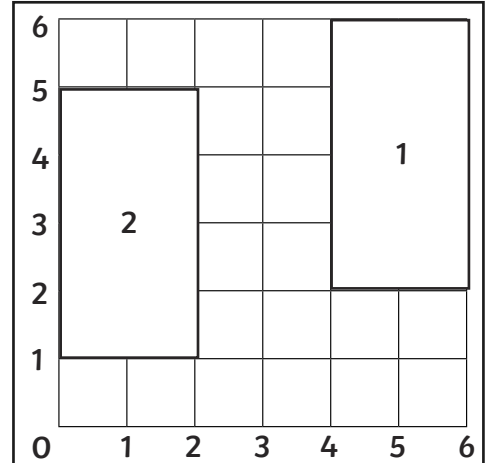
Finishing Coordinates:



Starting Coordinates:

Translation:

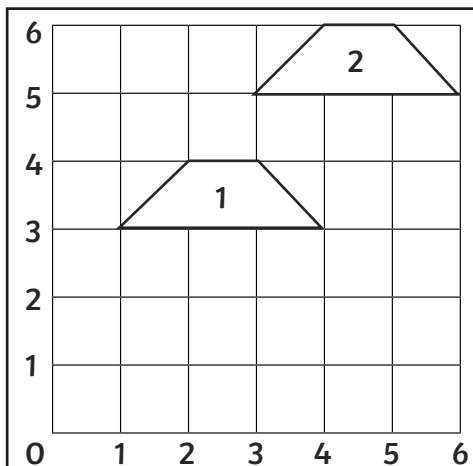
Finishing Coordinates:



Starting Coordinates:

Translation:

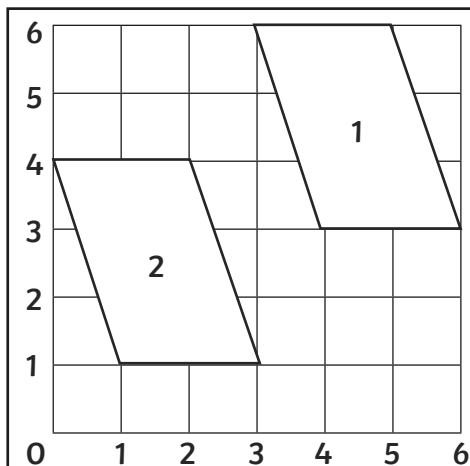
Finishing Coordinates:



Starting Coordinates:

Translation:

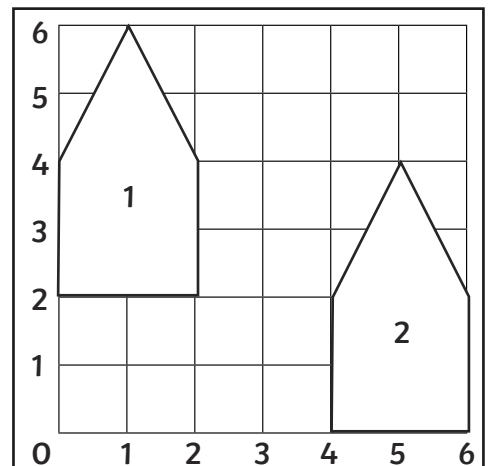
Finishing Coordinates:



Starting Coordinates:

Translation:

Finishing Coordinates:



Starting Coordinates:

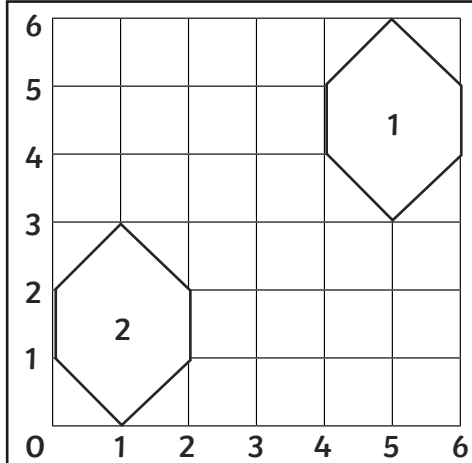
Translation:

Finishing Coordinates:

# 2D Shape Translations

I can describe the translation of a 2D Shape on a co-ordinate grid.

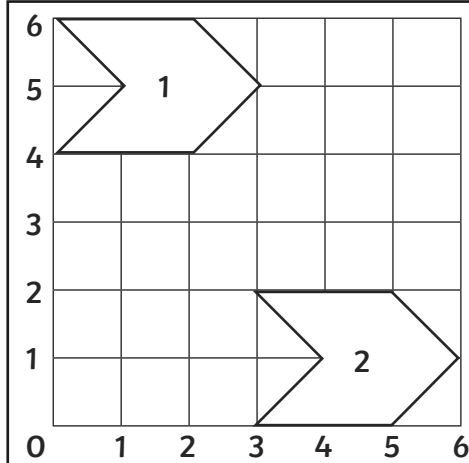
Describe the positions and translations of the 2D shapes:



Starting Coordinates:

Translation:

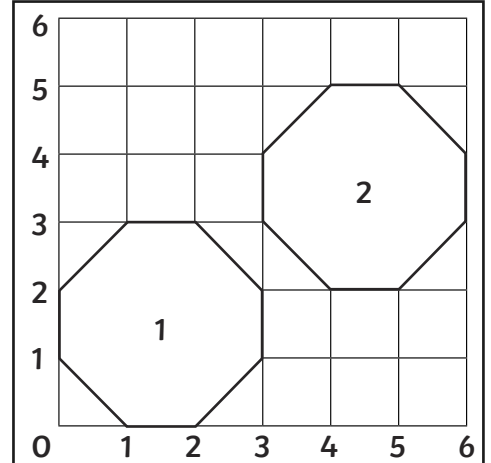
Finishing Coordinates:



Starting Coordinates:

Translation:

Finishing Coordinates:



Starting Coordinates:

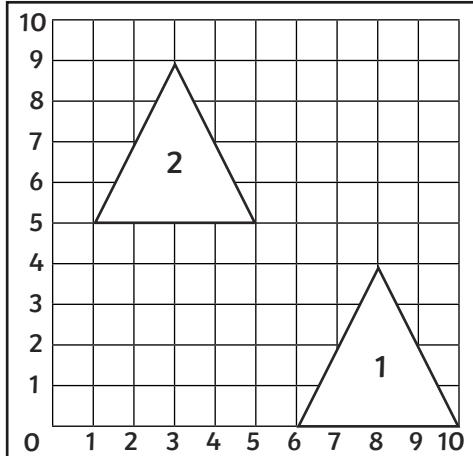
Translation:

Finishing Coordinates:

# 2D Shape Translations

I can describe the translation of a 2D Shape on a co-ordinate grid.

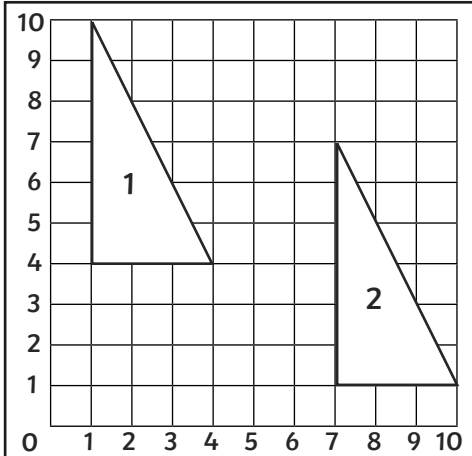
Describe the positions and translations of the 2D shapes:



Starting Coordinates:

Translation:

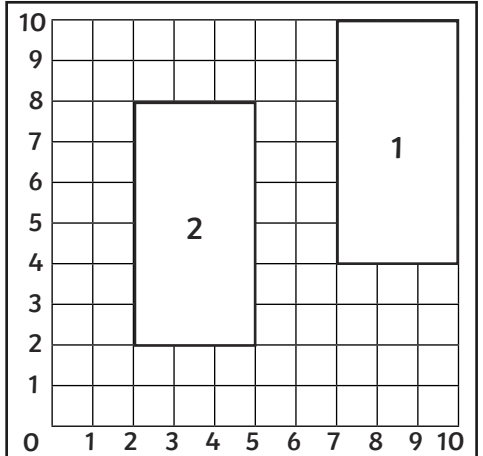
Finishing Coordinates:



Starting Coordinates:

Translation:

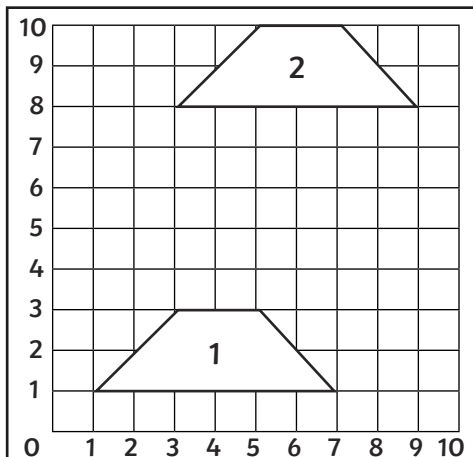
Finishing Coordinates:



Starting Coordinates:

Translation:

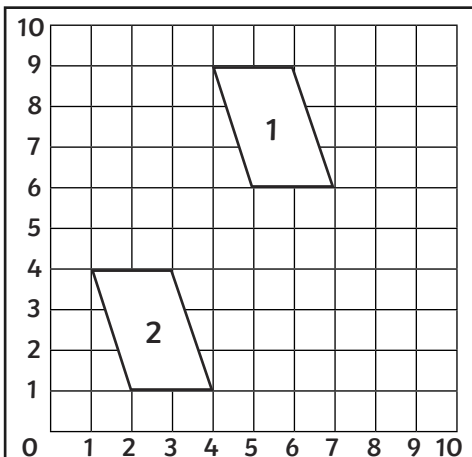
Finishing Coordinates:



Starting Coordinates:

Translation:

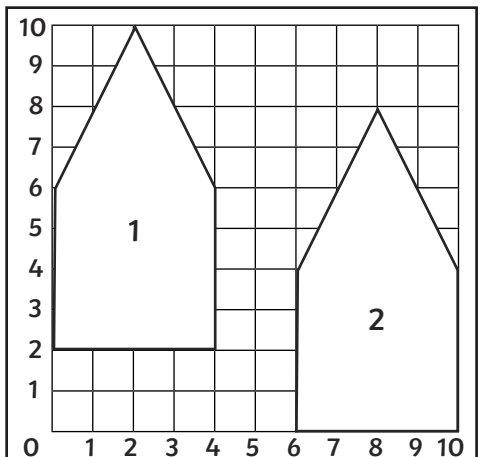
Finishing Coordinates:



Starting Coordinates:

Translation:

Finishing Coordinates:



Starting Coordinates:

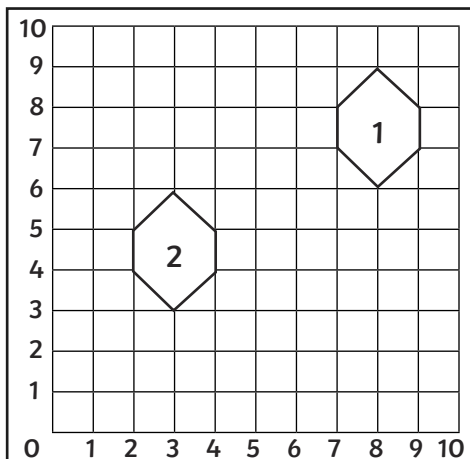
Translation:

Finishing Coordinates:

# 2D Shape Translations

I can describe the translation of a 2D Shape on a co-ordinate grid.

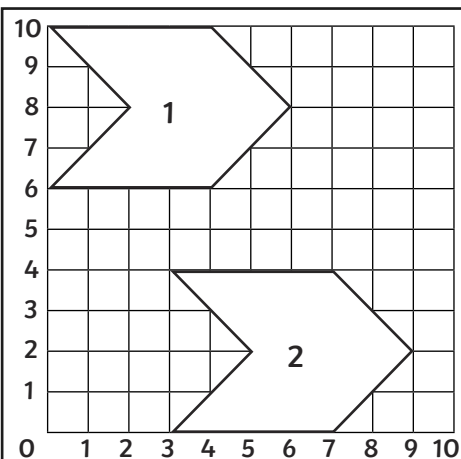
Describe the positions and translations of the 2D shapes:



Starting Coordinates:

Translation:

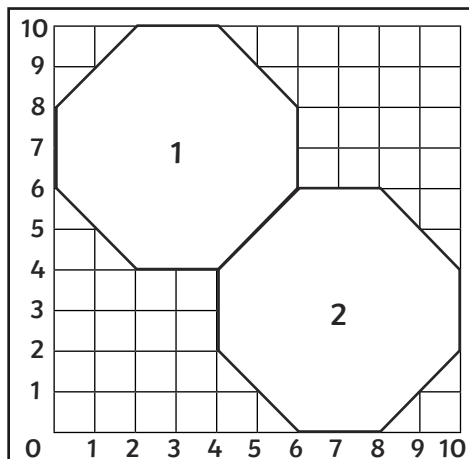
Finishing Coordinates:



Starting Coordinates:

Translation:

Finishing Coordinates:



Starting Coordinates:

Translation:

Finishing Coordinates:



# 2D Shape Translations Answers

Describe the positions and translations of the 2D shapes:

Starting Coordinates:

$(1,1)$   $(3,1)$   $(2,3)$

Translation:

**Up 3**

Finishing Coordinate:

$(1,4)$   $(3,4)$   $(2,6)$

Starting Coordinates:

$(0,2)$   $(2,2)$   $(0,6)$

Translation:

**Right 4**

Finishing Coordinate:

$(4,2)$   $(6,2)$   $(4,6)$

Starting Coordinates:

$(4,2)$   $(6,2)$   $(6,6)$   $(4,6)$

Translation:

**Left 4**

Finishing Coordinate:

$(0,2)$   $(2,2)$   $(2,6)$   $(0,6)$

Starting Coordinates:

$(1,5)$   $(4,5)$   $(3,6)$   $(2,6)$

Translation:

**Down 2**

Finishing Coordinate:

$(1,3)$   $(4,3)$   $(3,4)$   $(2,4)$

Starting Coordinates:

$(1,1)$   $(3,1)$   $(2,4)$   $(0,4)$

Translation:

**Right 3**

Finishing Coordinate:

$(4,1)$   $(6,1)$   $(5,4)$   $(3,4)$

Starting Coordinates:

$(4,0)$   $(6,0)$   $(6,2)$   $(5,4)$   $(4,2)$

Translation:

**Left 3**

Finishing Coordinate:

$(1,0)$   $(3,0)$   $(3,2)$   $(2,4)$   $(1,2)$

Starting Coordinates:

$(3,0)$   $(4,1)$   $(4,2)$   $(3,3)$   $(2,2)$   $(2,1)$

Translation:

**Up 3**

Finishing Coordinate:

$(3,3)$   $(4,4)$   $(4,5)$   $(3,6)$   $(2,5)$   $(2,4)$

Starting Coordinates:

$(3,4)$   $(5,4)$   $(6,5)$   $(5,6)$   $(3,6)$   $(4,5)$

Translation:

**Down 4**

Finishing Coordinate:

$(3,0)$   $(5,0)$   $(6,1)$   $(5,2)$   $(3,2)$   $(4,1)$

Starting Coordinates:  $(1,0)$   $(2,0)$

$(3,1)$   $(3,2)$   $(2,3)$   $(1,3)$   $(0,2)$   $(0,1)$

Translation:

**Right 3**

Finishing Coordinate:  $(4,0)$   $(5,0)$

$(6,1)$   $(6,2)$   $(5,3)$   $(4,3)$   $(3,2)$   $(3,1)$



# 2D Shape Translations Answers

Describe the positions and translations of the 2D shapes:

Starting Coordinates:

$(4,1)$   $(6,1)$   $(5,3)$

Translation:

**Left 3, Up 3**

Finishing Coordinate:

$(1,4)$   $(3,4)$   $(2,6)$

Starting Coordinates:

$(1,2)$   $(3,2)$   $(1,6)$

Translation:

**Right 3, Down 2**

Finishing Coordinate:

$(4,0)$   $(6,0)$   $(4,4)$

Starting Coordinates:

$(4,2)$   $(6,2)$   $(6,6)$   $(4,6)$

Translation:

**Left 4, Down 1**

Finishing Coordinate:

$(0,1)$   $(2,1)$   $(2,5)$   $(0,5)$

Starting Coordinates:

$(1,3)$   $(4,3)$   $(3,4)$   $(2,4)$

Translation:

**Right 2, Up 2**

Finishing Coordinate:

$(3,5)$   $(6,5)$   $(5,6)$   $(4,6)$

Starting Coordinates:

$(4,3)$   $(6,3)$   $(5,6)$   $(3,6)$

Translation:

**Left 3, Down 2**

Finishing Coordinate:

$(1,1)$   $(3,1)$   $(2,4)$   $(0,4)$

Starting Coordinates:

$(0,2)$   $(2,2)$   $(2,4)$   $(1,6)$   $(0,4)$

Translation:

**Right 4, Down 2**

Finishing Coordinate:

$(4,0)$   $(6,0)$   $(6,2)$   $(5,4)$   $(4,2)$

Starting Coordinates:

$(5,3)$   $(6,4)$   $(6,5)$   $(5,6)$   $(4,5)$   $(4,4)$

Translation:

**Left 4, Down 3**

Finishing Coordinate:

$(1,0)$   $(2,1)$   $(2,2)$   $(1,3)$   $(0,2)$   $(0,1)$

Starting Coordinates:

$(0,4)$   $(2,4)$   $(3,5)$   $(2,6)$   $(0,6)$   $(1,5)$

Translation:

**Right 3, Down 4**

Finishing Coordinate:

$(3,0)$   $(5,0)$   $(6,1)$   $(5,2)$   $(3,2)$   $(4,1)$

Starting Coordinates:  $(1,0)$   $(2,0)$

$(3,1)$   $(3,2)$   $(2,3)$   $(1,3)$   $(0,2)$   $(0,1)$

Translation:

**Right 3, Up 2**

Finishing Coordinate:  $(4,2)$   $(5,2)$

$(6,3)$   $(6,4)$   $(5,5)$   $(4,5)$   $(3,4)$   $(3,3)$





# 2D Shape Translations Answers

Describe the positions and translations of the 2D shapes:

Starting Coordinates:

$(6,0)$   $(10,0)$   $(8,4)$

Translation:

*Left 5, Up 5*

Finishing Coordinate:

$(1,5)$   $(5,5)$   $(3,9)$

Starting Coordinates:

$(1,4)$   $(4,4)$   $(1,10)$

Translation:

*Right 6, Down 3*

Finishing Coordinate:

$(7,1)$   $(10,1)$   $(7,7)$

Starting Coordinates:

$(7,4)$   $(10,4)$   $(10,10)$   $(7,10)$

Translation:

*Left 5, Down 2*

Finishing Coordinate:

$(2,2)$   $(5,2)$   $(5,8)$   $(2,8)$

Starting Coordinates:

$(1,1)$   $(7,1)$   $(5,3)$   $(3,3)$

Translation:

*Right 2, Up 7*

Finishing Coordinate:

$(3,8)$   $(9,8)$   $(7,10)$   $(5,10)$

Starting Coordinates:

$(5,6)$   $(7,6)$   $(6,9)$   $(4,9)$

Translation:

*Left 3, Down 5*

Finishing Coordinate:

$(2,1)$   $(4,1)$   $(3,4)$   $(1,4)$

Starting Coordinates:

$(0,2)$   $(4,2)$   $(4,6)$   $(2,10)$   $(0,6)$

Translation:

*Right 6, Down 2*

Finishing Coordinate:

$(6,0)$   $(10,0)$   $(10,4)$   $(8,8)$   $(6,4)$

Starting Coordinates:

$(8,6)$   $(9,7)$   $(9,8)$   $(8,9)$   $(7,8)$   $(7,7)$

Translation:

*Left 5, Down 3*

Finishing Coordinate:

$(3,3)$   $(4,4)$   $(4,5)$   $(3,6)$   $(2,5)$   $(2,4)$

Starting Coordinates:

$(0,6)$   $(4,6)$   $(6,8)$   $(4,10)$   $(0,10)$   $(2,8)$

Translation:

*Right 3, Down 6*

Finishing Coordinate:

$(3,0)$   $(7,0)$   $(9,2)$   $(7,4)$   $(3,4)$   $(5,2)$

Starting Coordinates:  $(2,4)$   $(4,4)$

$(6,6)$   $(6,8)$   $(4,10)$   $(2,10)$   $(0,8)$   $(0,6)$

Translation:

*Right 4, Down 4*

Finishing Coordinate:  $(6,0)$   $(8,0)$

$(10,2)$   $(10,4)$   $(8,6)$   $(6,6)$   $(4,4)$   $(4,2)$