

# Coordinate Geometry

If you have to describe the position of your desk in the classroom to one of your friends( who is not one of your classmates) , how would you do it? Write down the description in the space below.

## *Introduction to Cartesian Coordinate System:*

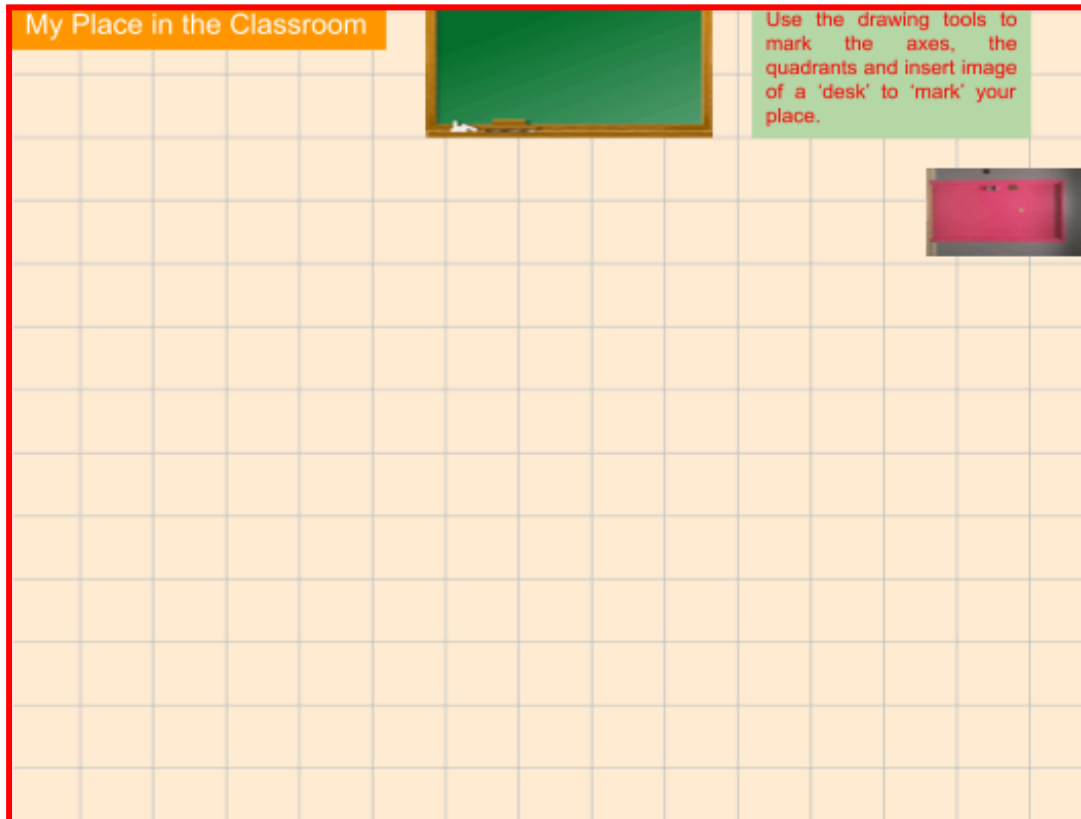
Click this [link](#) to learn about the origin of the Coordinate system and who Rene Descartes was.



Assume that the positive x-axis (running across the floor) is towards the door of your classroom and positive y-axis is in direction of the Blackboard. Describe, using the cartesian system the position of your desk. (walk to the front of the classroom to get a good view of your desk!)

Double click the following image and mark your place as directed. Don't forget to **Save and Close** when you are done.

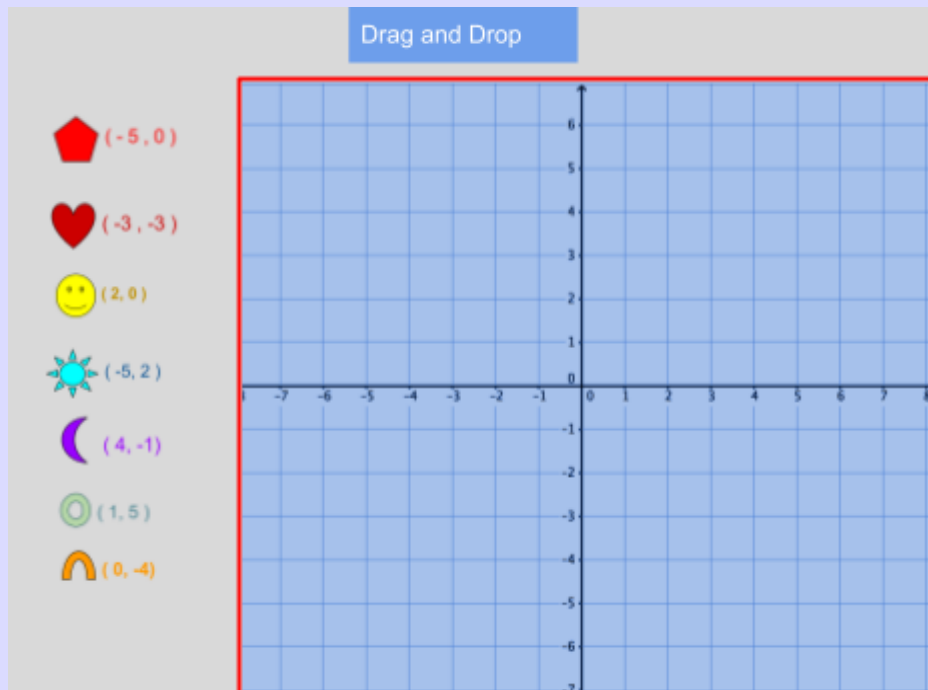
My Place in the Classroom



Use the drawing tools to mark the axes, the quadrants and insert image of a 'desk' to 'mark' your place.

# Coordinate Geometry

**Task #1:** Double click the following image and get going! Don't forget to **Save and Close** when you are done.



**Task #2:**

***“Stock the Shelves”***

**Warning!! You have only 2 minutes!!**

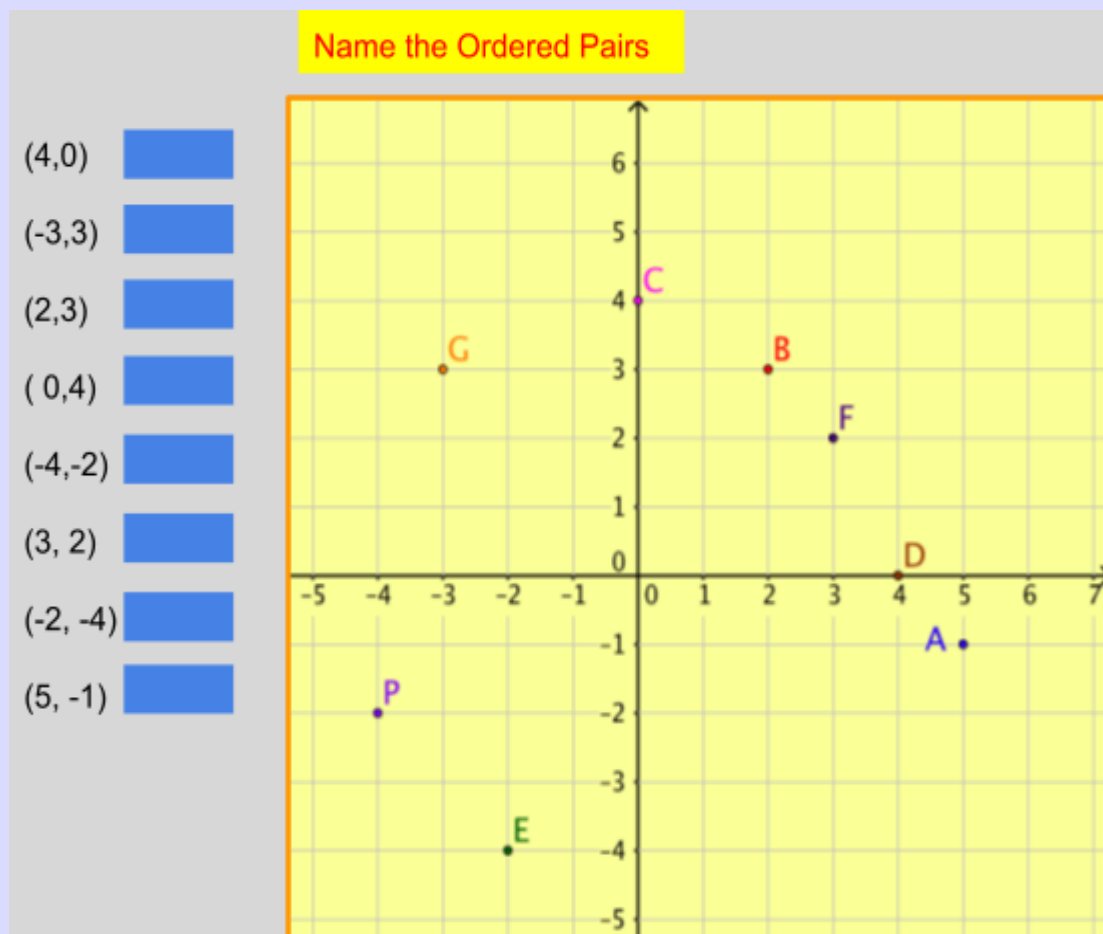
Click on the Link : [Stock the Shelves](#)



# Coordinate Geometry

## Task #3

Double click the following image and get going! Don't forget to **Save and Close** when you are done.



## Task #4

***“Match Me”***

Click [here](#) and get started



# Coordinate Geometry

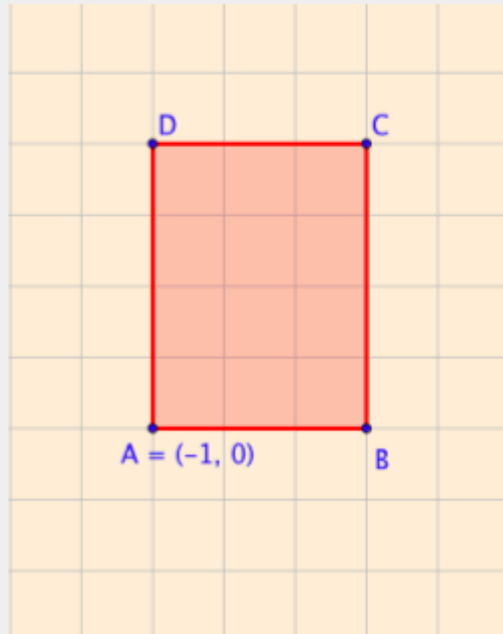
**Challenge #1:** Double click and answer the challenge. Don't forget to **Save and Close** when you are done.

ABCD is a rectangle, what are the coordinates of B, C and D?

Coordinates of B are

Coordinates of C are

Coordinates of D are



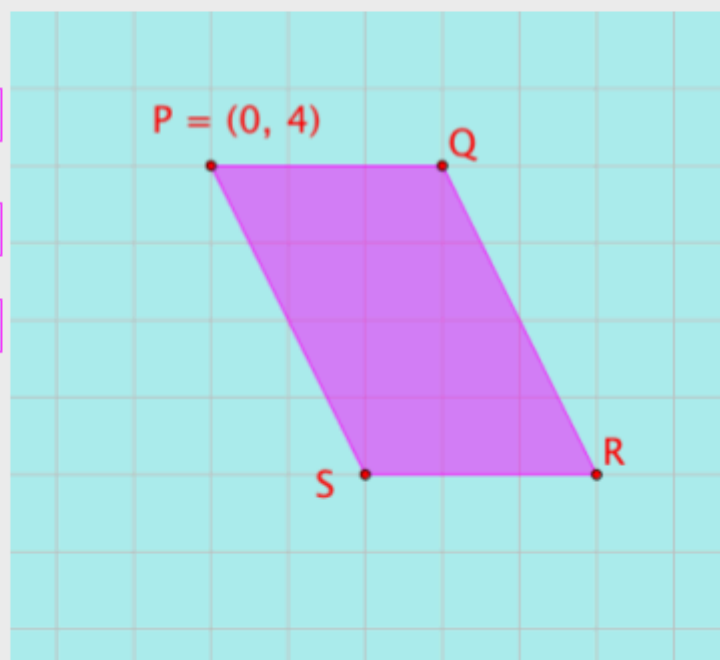
**Challenge # 2:** Double click and answer the challenge. Don't forget to **Save and Close** when you are done.

PQRS is a parallelogram, what are the coordinates of the vertices when coordinates of P are (0, 4)

Coordinates of Q are

Coordinates of R are

Coordinates of S are



# Coordinate Geometry

**Challenge # 3:** Double click and answer the challenge. Don't forget to **Save and Close** when you are done.

**Find the Missing Coordinates**

Coordinates of H are

Coordinates of I are

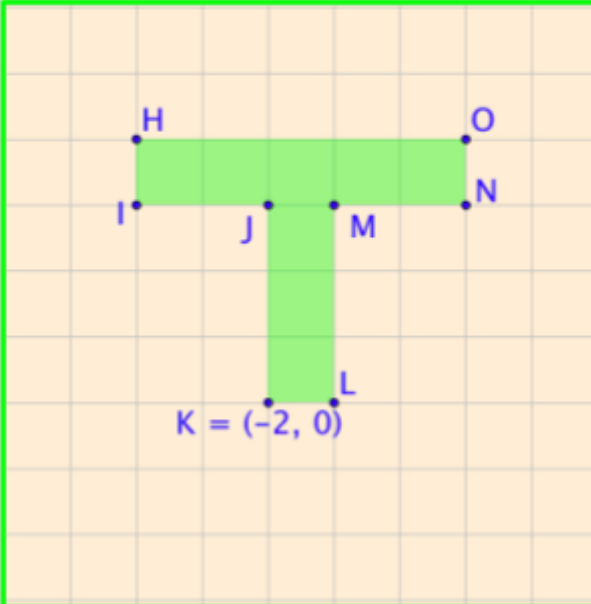
Coordinates of J are

Coordinates of L are

Coordinates of M are

Coordinates of N are

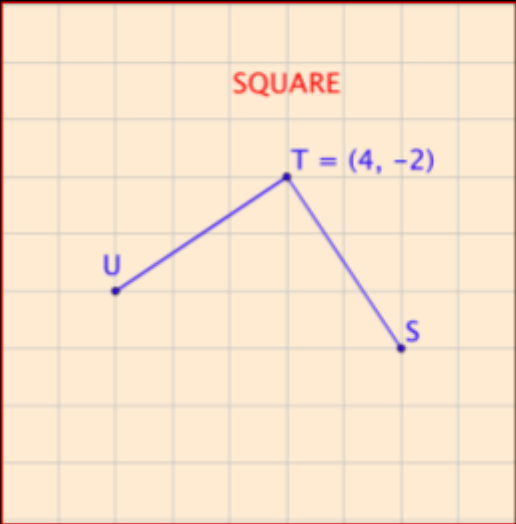
Coordinates of O are



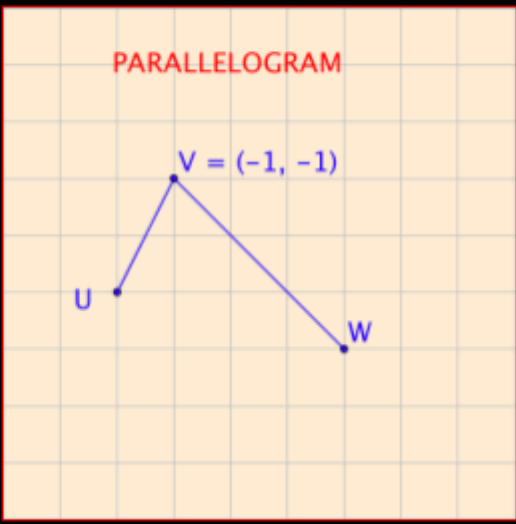
## Super Challenge

Double click and answer the challenge. Don't forget to **Save and Close** when you are done.

**Complete the Shapes and Find the Coordinates of the Vertices**

**SQUARE**  


Coordinates of the other three vertices are:

**PARALLELOGRAM**  


Coordinates of the other three vertices are: