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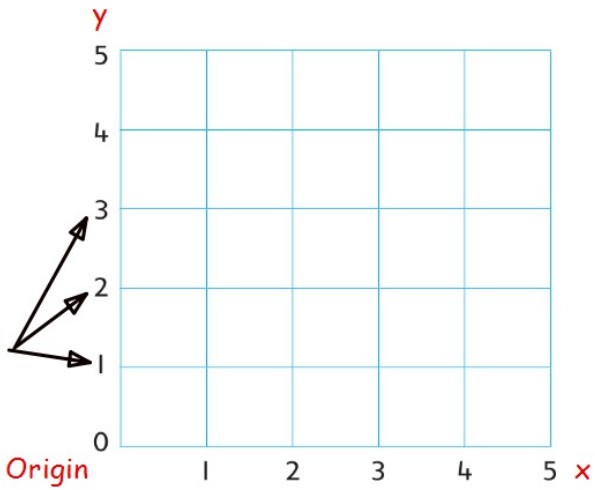
To plot coordinates on a grid

Steps to success:

1) I can say which is the x and y axes.
2) I can say what the origin is.
3) I can label an axes. (put the numbers on the line - no the space)
4) I can plot points and name the shape.



Vocabulary:

Axis (axes)
plot
x
y
horizontal
vertical
origin
grid

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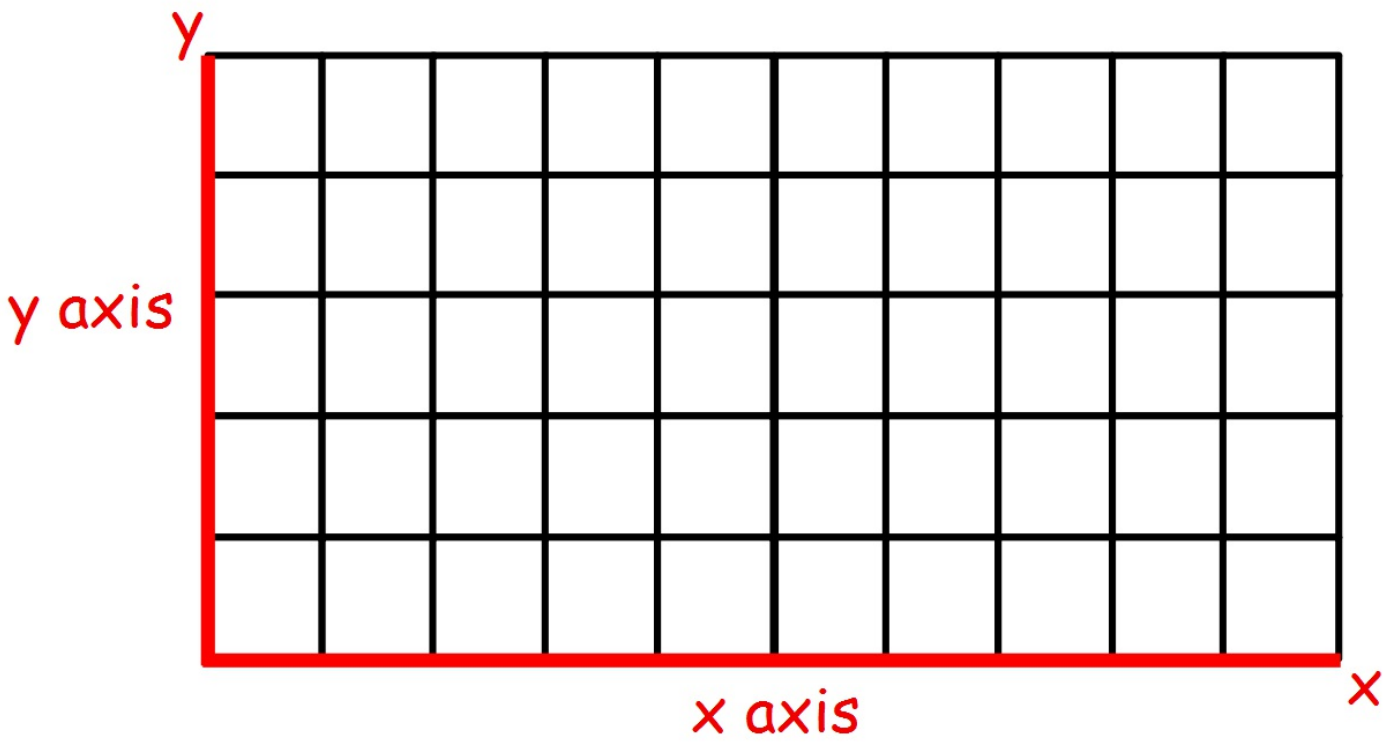
Across (x) the hall and up the stairs (y)



On an axis, x always goes horizontally (left to right).
y, always goes vertically (up and down)

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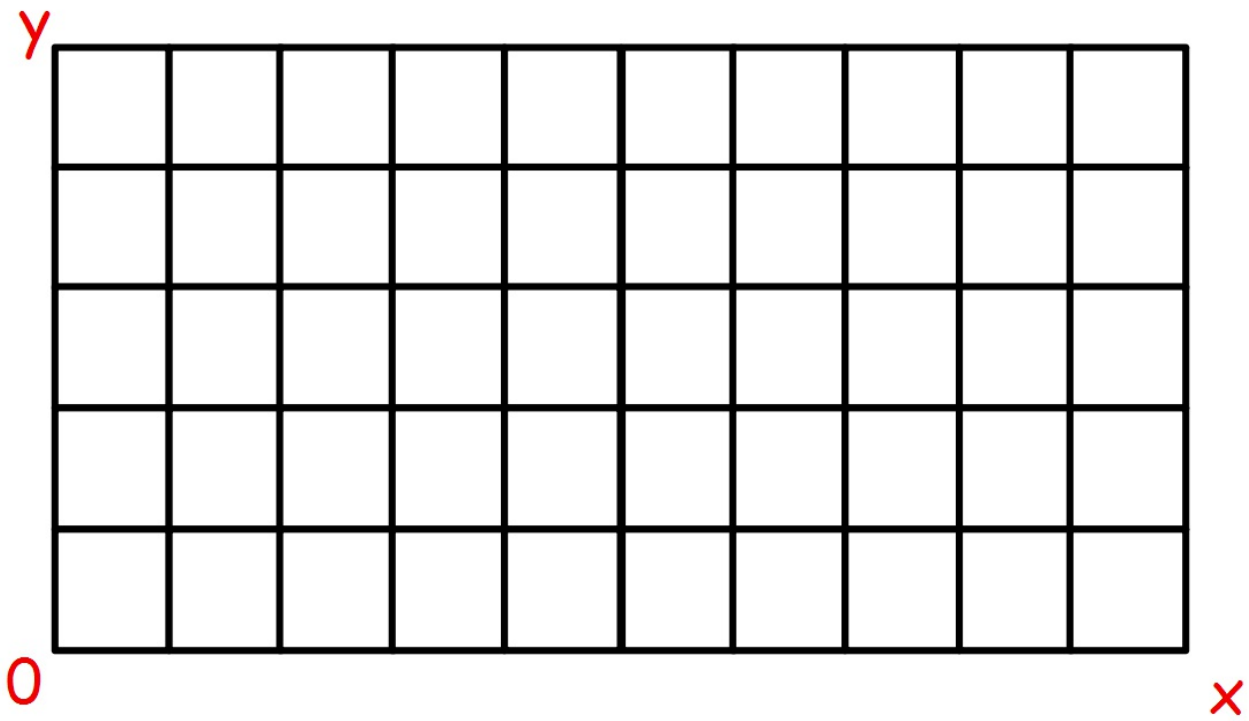
The Origin



The origin is where both axes meet (0)

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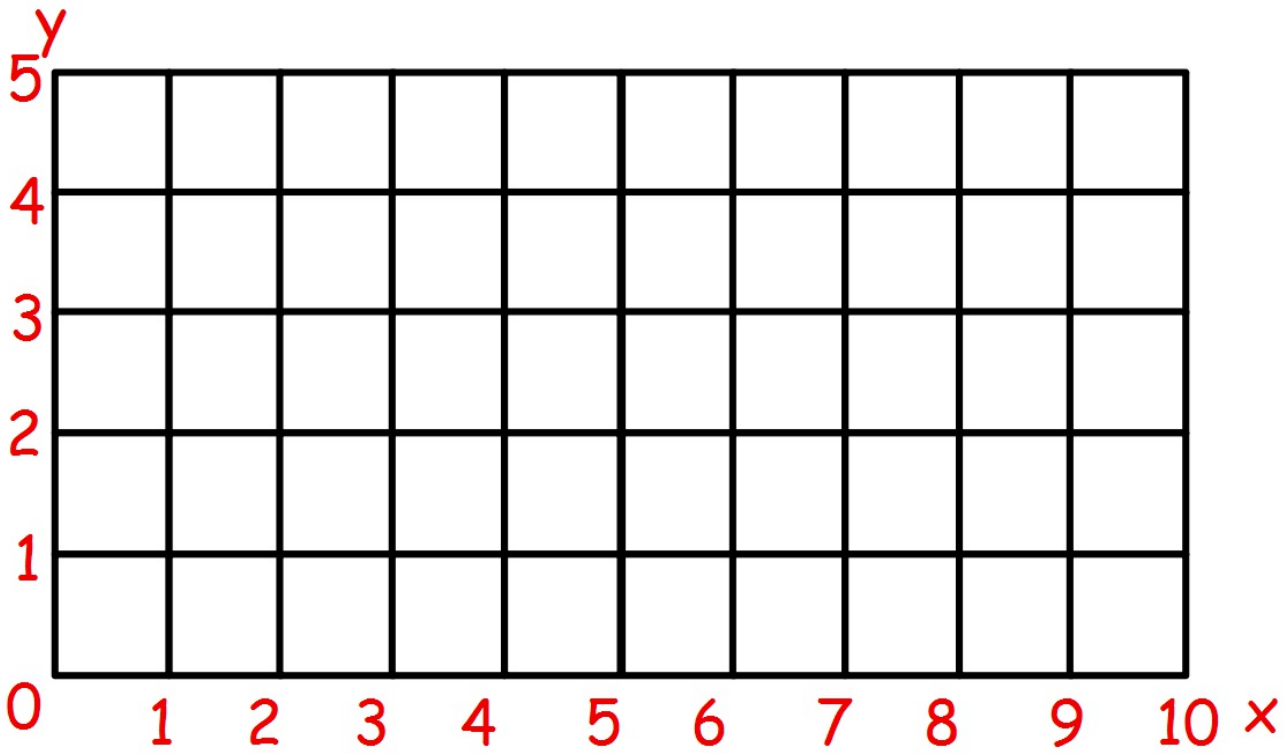
Labelling the axes



Put the numbers on the lines at equal distances

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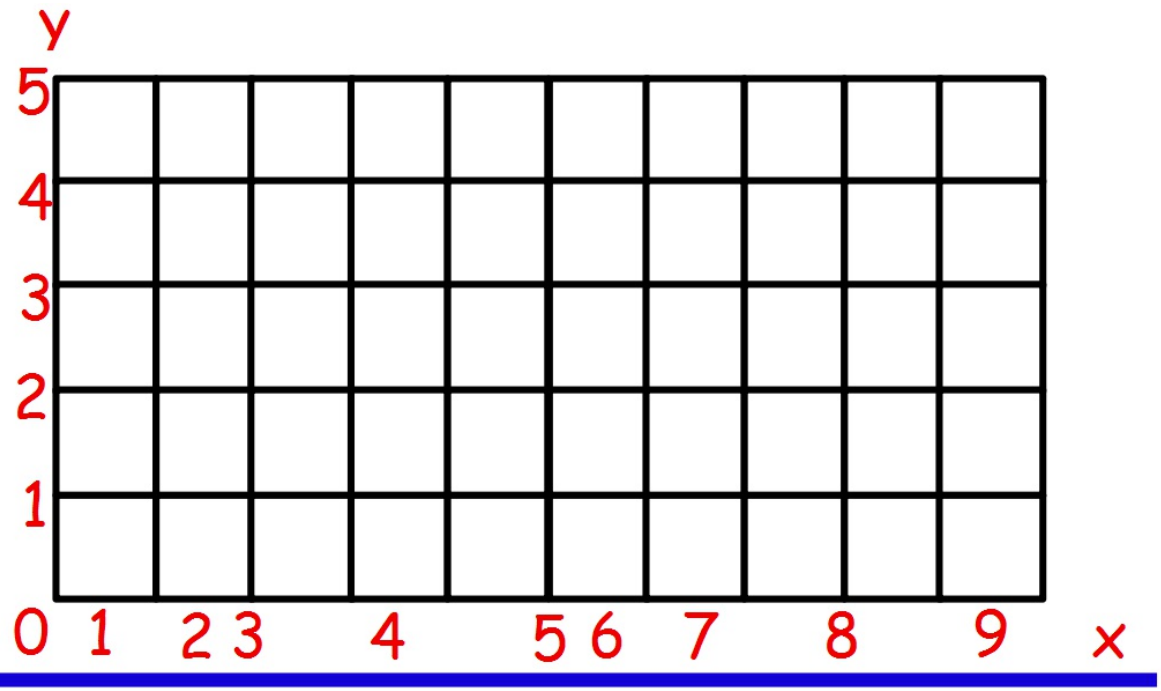
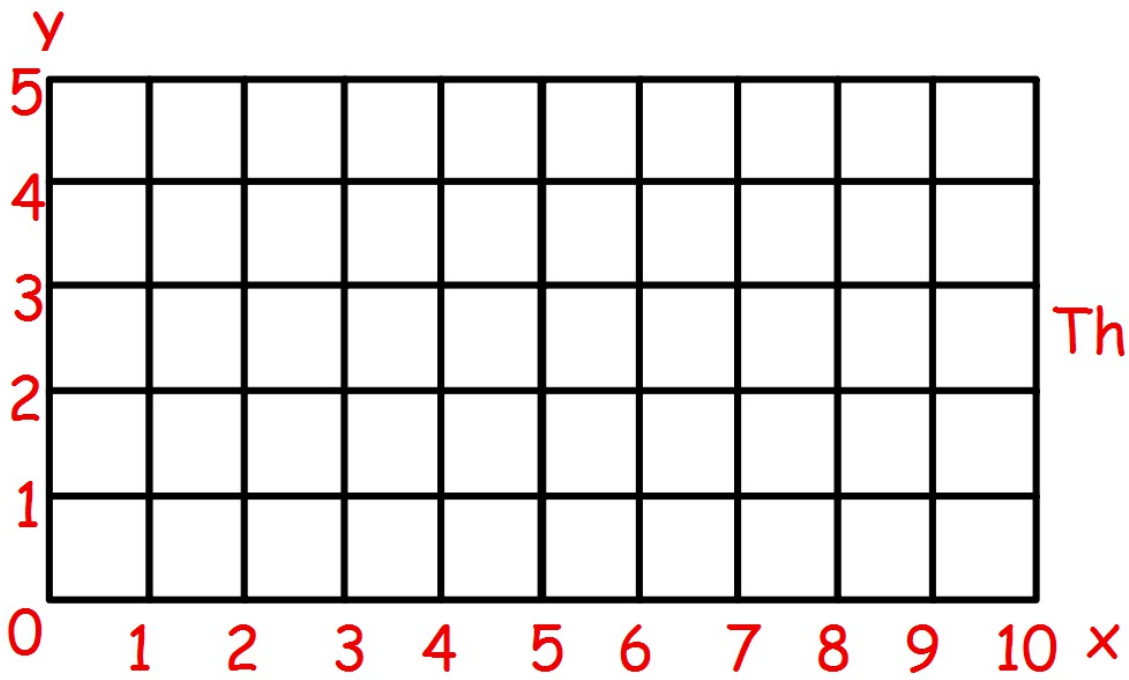
Labelling the axes

Why is this one no good?





This is perfect!

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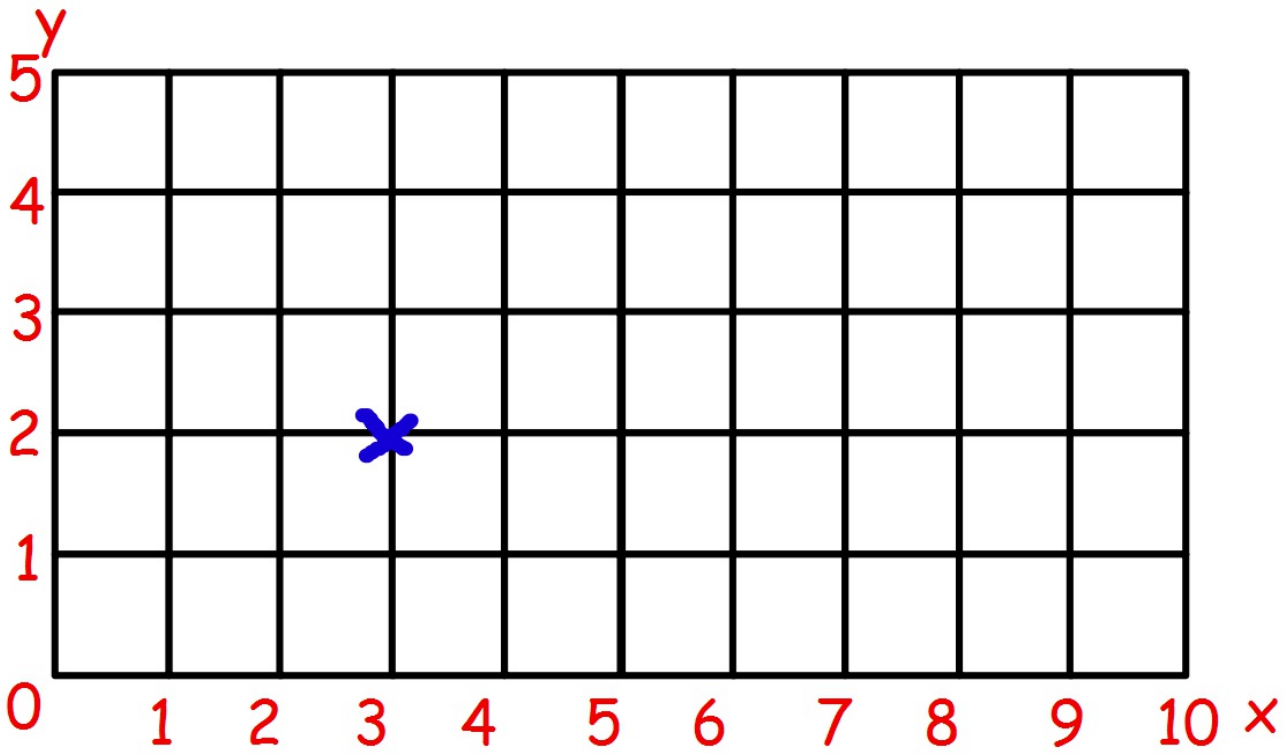
Plotting Points



Coordinates: x always comes first, then y...so we go across the hall and up the stairs. (x,y)

The coordinate of the cross is (3,2)

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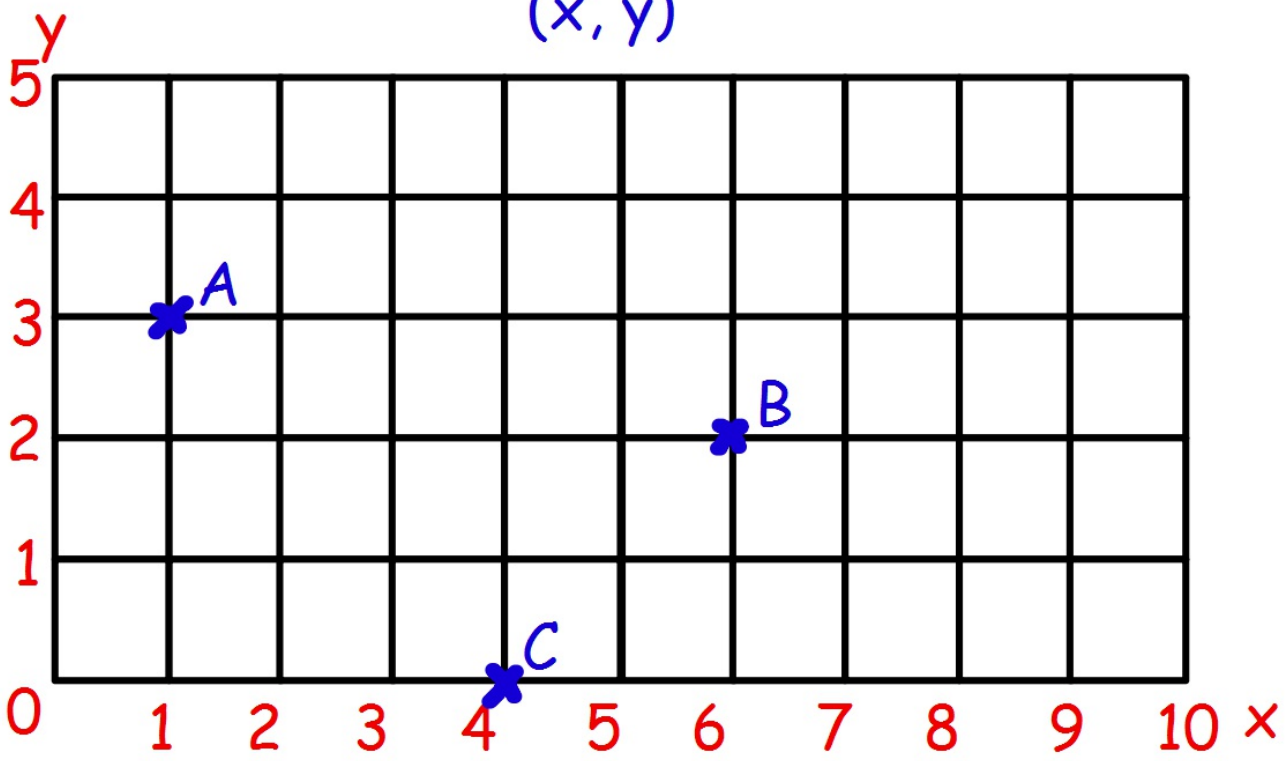
What are the coordinates of these points?

(x, y)



A = (,) B = (,) C = (,)

did you do x first, then y?

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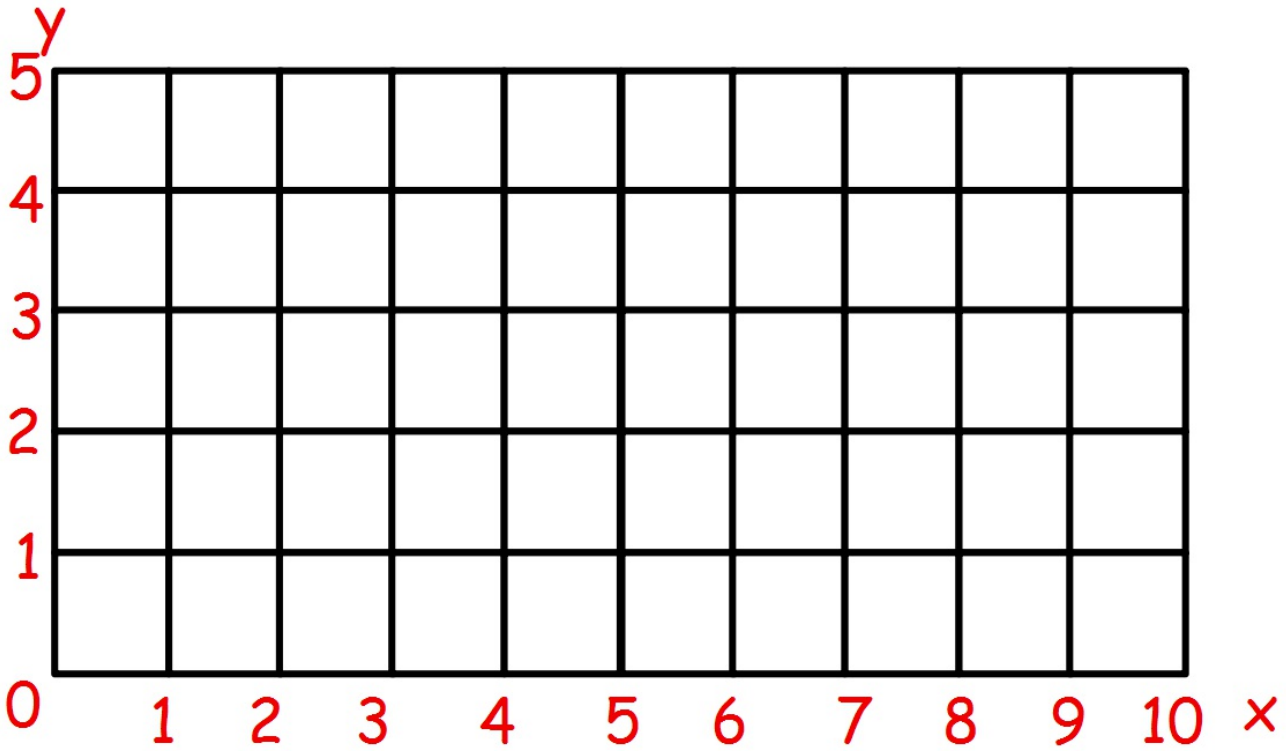
Plot these points: (x,y)

(9,1) (0,1) (4,0)



What shape do you get if you join them together?

What is the name of this ?

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Summary:

Always go across the hall up the stairs (x,y)

Make sure your axes numbers are on the line and equal distance apart.

The origin (0) is where the axes cross.

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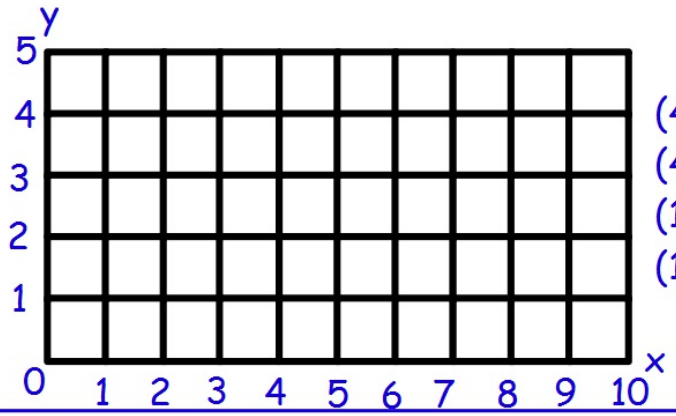
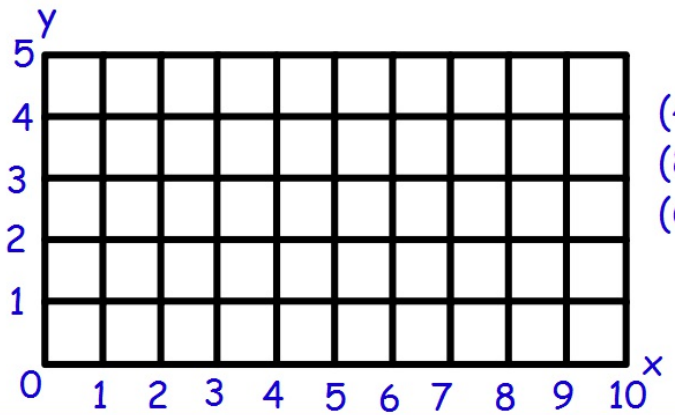
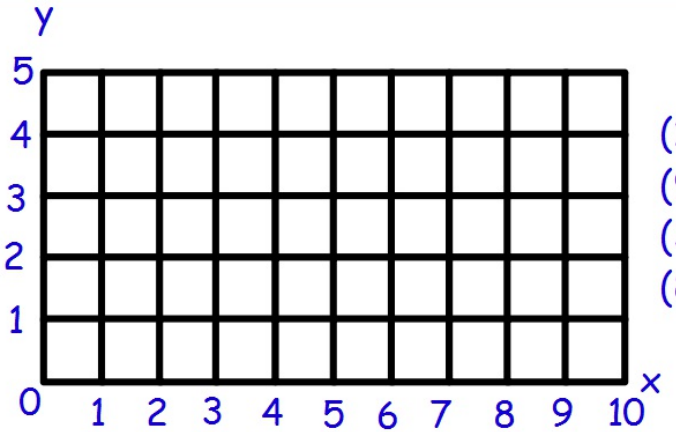
Cut these out, plot the points and name the shape.



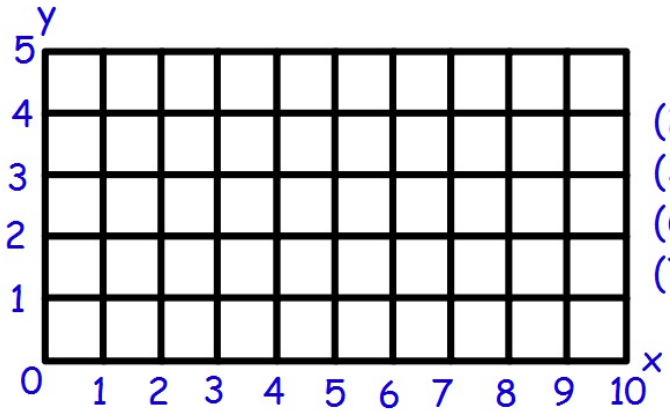
(4,1)
(4,4)
(1,1)
(1,4)



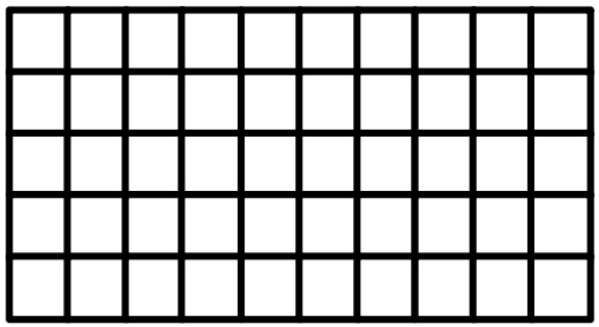
(4,0)
(8,0)
(6,4)



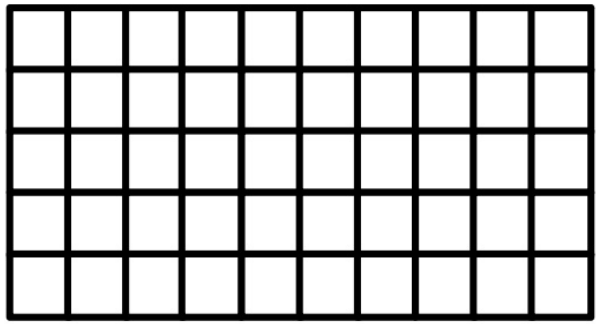
(1,1)
(9,1)
(3,4)
(8,4)

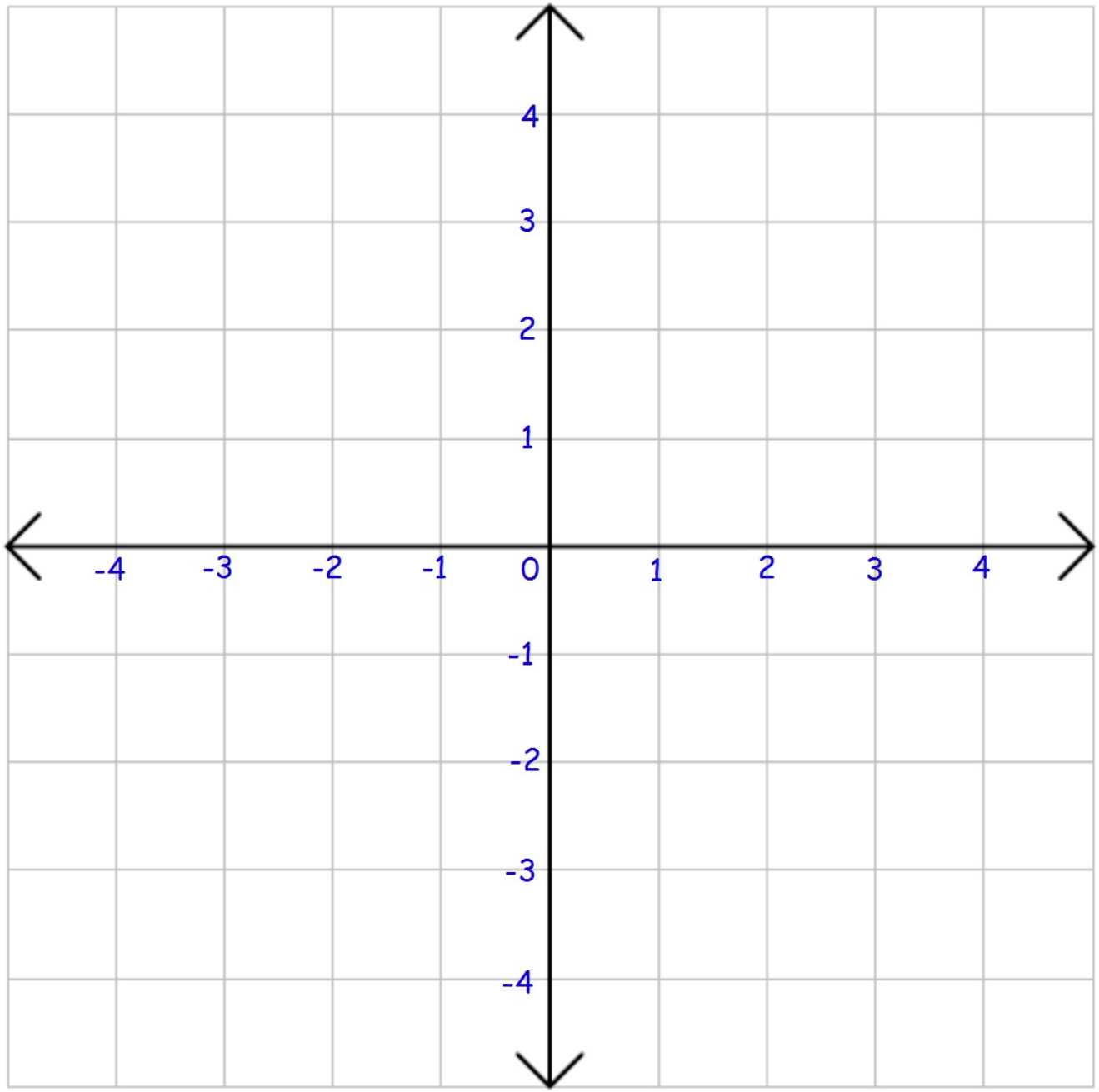


(2,4)
(3,1)
(6,4)
(7,1)



(5,0)
(7,2)
(7,3)
(5,5)
(3,5)
(1,3)
(1,2)



Draw your own. Write the coordinates.

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