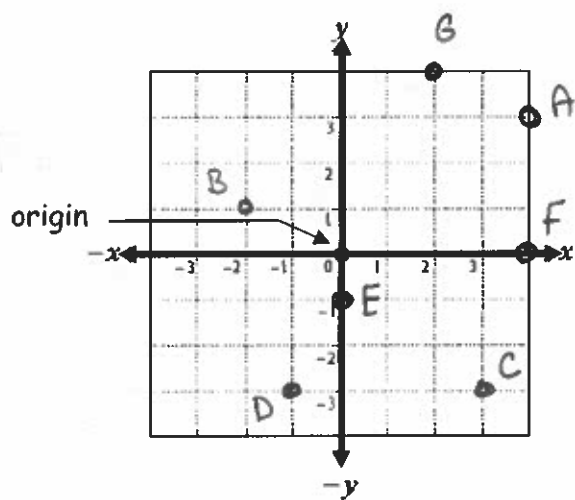


The Cartesian Plane

- The Cartesian plane is the x/y graph on which ordered pairs can be plotted.
- It is made up of two perpendicular lines which divide the plane into 4 quadrants.
 - The horizontal line is the x-axis
 - The vertical line is the y-axis
- Every point on this graph can be represented by a set of coordinates in the order (x,y).
- When plotting on the plane, counting starts at the origin (the centre) which has the coordinates (0,0).
 - From there,
 - x-values go to the right (positive) and left (negative).
 - y-values go up (positive) and down (negative).



Ex/ Graph the following points:

a) A (4,3) right 4 up 3

e) E (0,-1) down 1

b) B (-2,1) left 2 up 1

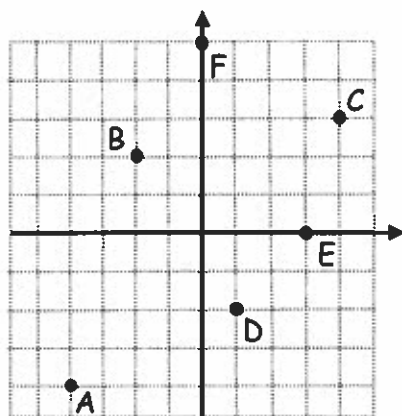
f) F (4,0) right 4

c) C (3,-3) right 3 down 3

g) G (2,4) right 2 up 4

d) D (-1,-3) left 1 down 3

Ex/ Determine the co-ordinates of the following points:



A - left 4 down 4 (-4,-4)

B - left 2 up 2 (-2,2)

C - right 4 up 3 (4,3)

D - right 1 down 2 (1,-2)

E - right 3 (3,0)

F - up 5 (0,5)

Practice: Handout - Graphing on the Cartesian Plane

