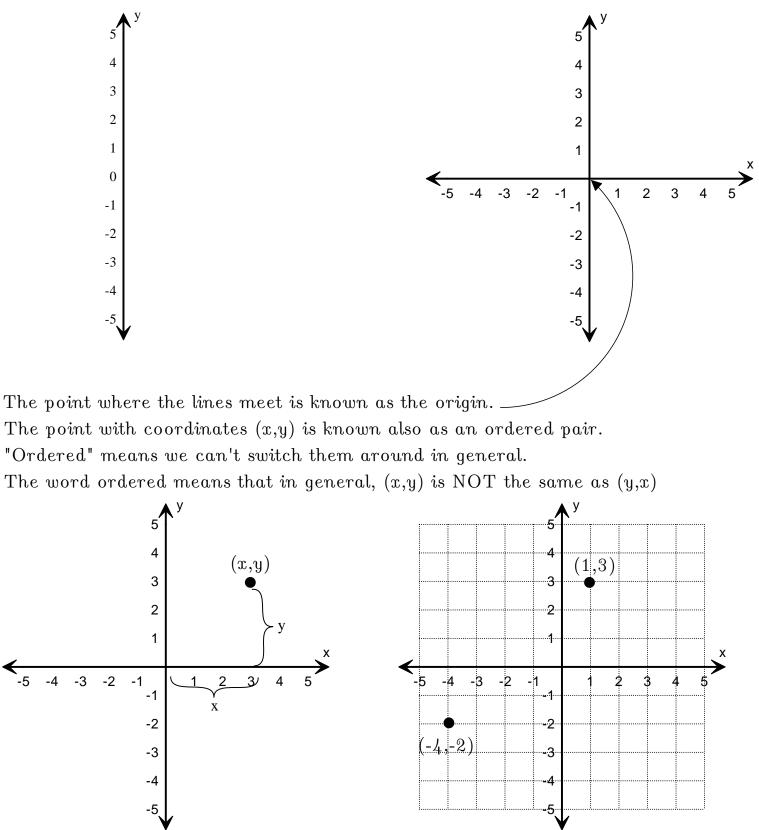
Crossing two number lines gives us a coordinate system. We can use coordinate systems to locate points.

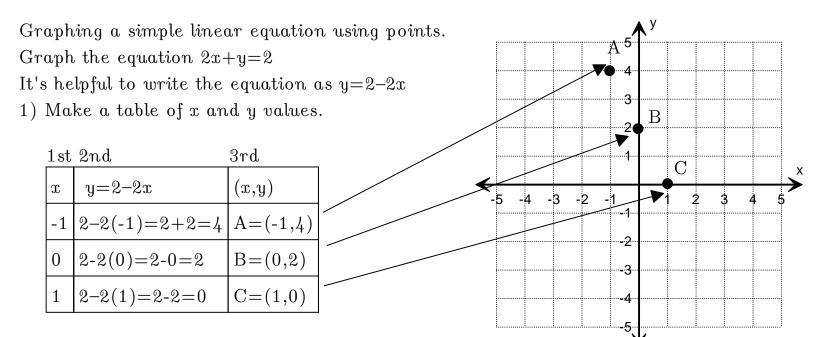
Begin with a vertical number line. This is usually called the y axis.

Draw a horizontal number line. Cross it with the vertical one at 0. The horizontal axis is the x axis.

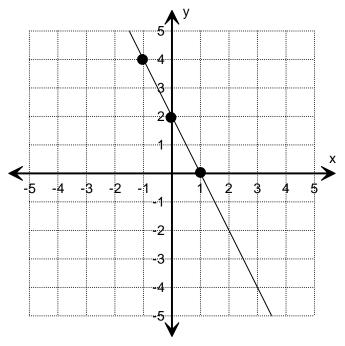


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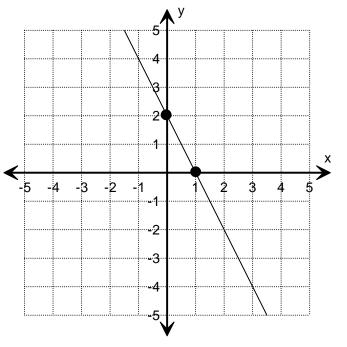


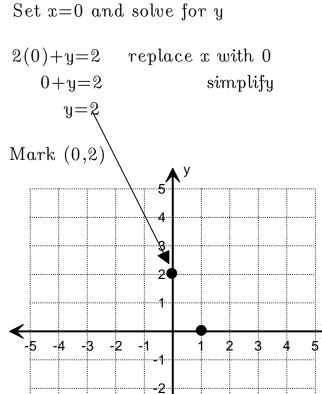
2) Once the points are plotted, connect them with a straight line.



The x intercept is where a line crosses the x axis. This is found by setting y=0 in an equation. Given 2x+y=2Find the x intercept: Set y=0 and solve for x2x + 0 = 2replace y with 0 simplify 2x=2divide both sides by 2 x=1Mark (1,0)y 5 2 Х -4 -3 -5 -2 -1 2 3 4 2 -3 4 5..

Connect the points with a straight line.





-3

-4-

-5--

Х

Find the y intercept:

