

## Simultaneous Equations - Graphical Solution

If you have equations for two straight lines you can find where they intersect by plotting them.

First construct a table of values for both lines to find co-ordinates on each one. Then plot them and see where they cross.

Example:

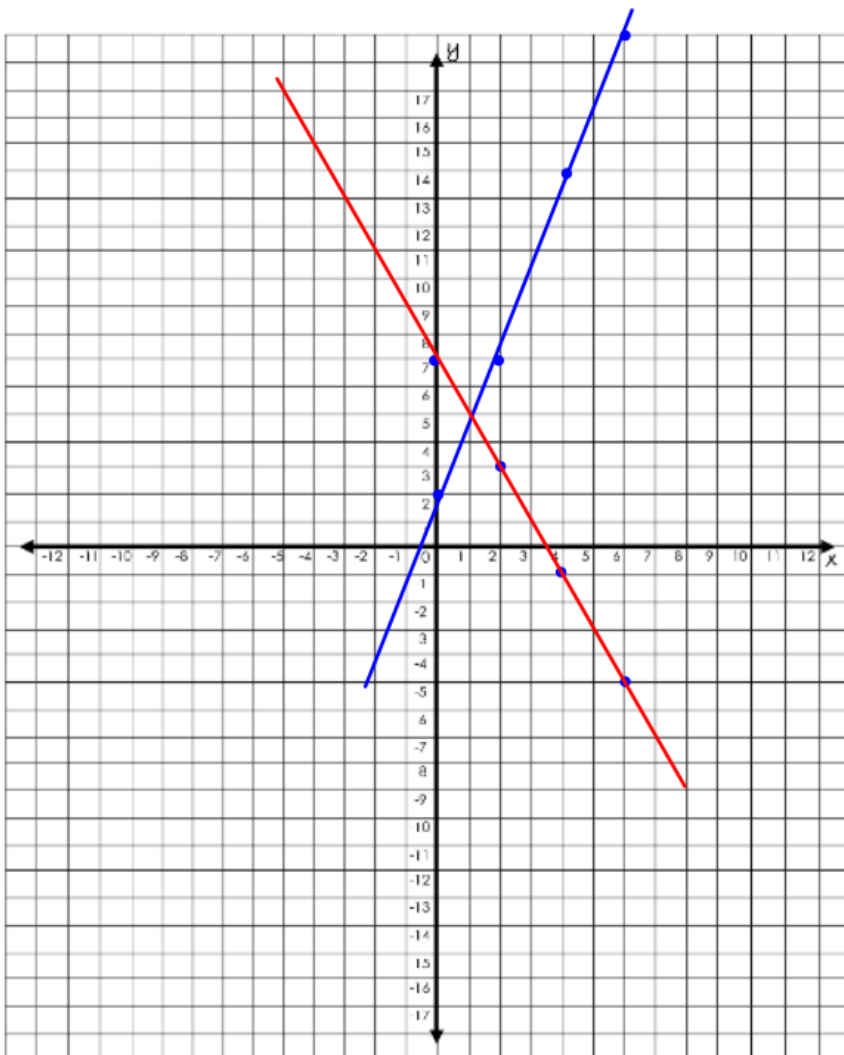
Where do the lines  $y=3x + 2$  and  $y = -2x + 7$

$$y=3x + 2$$

x	0	2	4	6
y	2	8	14	20

$$y = -2x + 7$$

x	0	2	4	6
y	7	3	-1	-5



Intersection  
at (1,5)