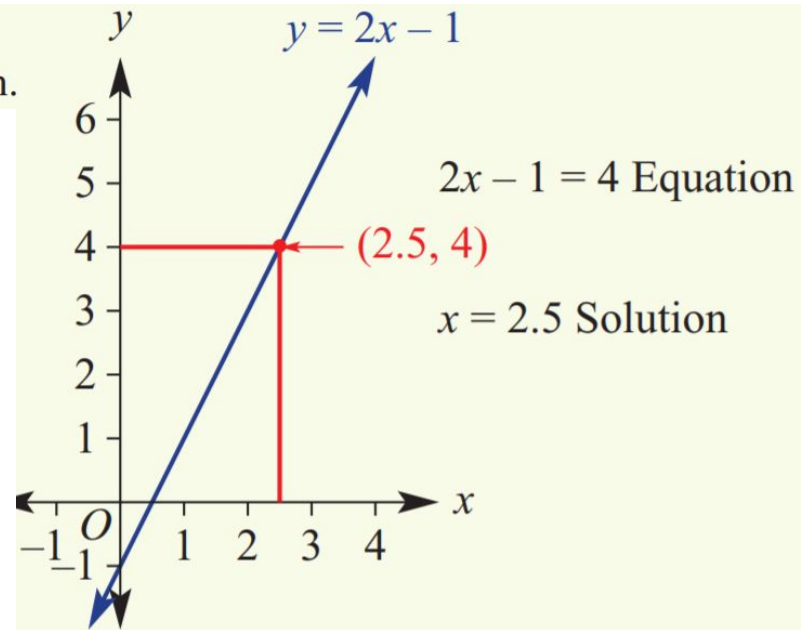


SOLVING LINEAR EQUATIONS USING GRAPHICAL TECHNIQUES

The x -coordinate of each point on the graph of a straight line is a solution to a particular linear equation.

- A particular linear equation is formed by substituting a chosen y -coordinate into a linear relationship.

E.g. if $y = 2x - 1$ and $y = 4$, then the linear equation is $2x - 1 = 4$.



- The solution to this equation is the x -coordinate of the point with the chosen y -coordinate.
E.g. the point $(2.5, 4)$ shows that $x = 2.5$ is the solution to $2x - 1 = 4$.