Linear Equations in Two Variables Ex 13.3 Q1

Answer :

(i) We are given,

$x + y = 4$

We get,

$y = 4 - x$,

Now, substituting $x = 0$ in $y = 4 - x$, we get

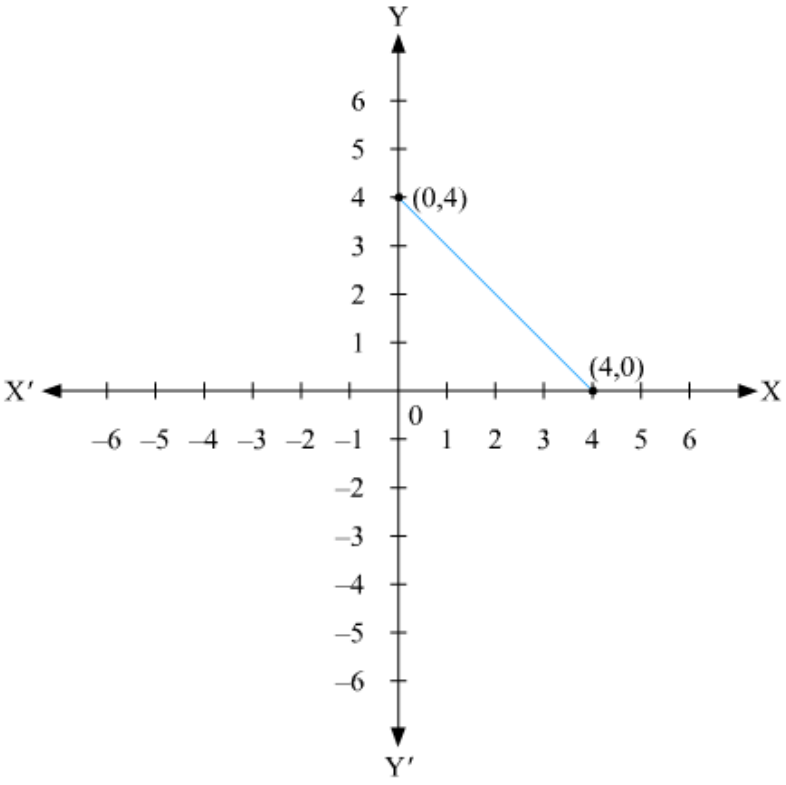
$y = 4$

Substituting $x = 4$ in $y = 4 - x$, we get

$y = 0$

Thus, we have the following table exhibiting the abscissa and ordinates of points on the line represented by the given

x	0	4
y	4	0



(ii) We are given,

$x - y = 2$

We get,

$y = x - 2$

Now, substituting $x = 0$ in $y = x - 2$, we get

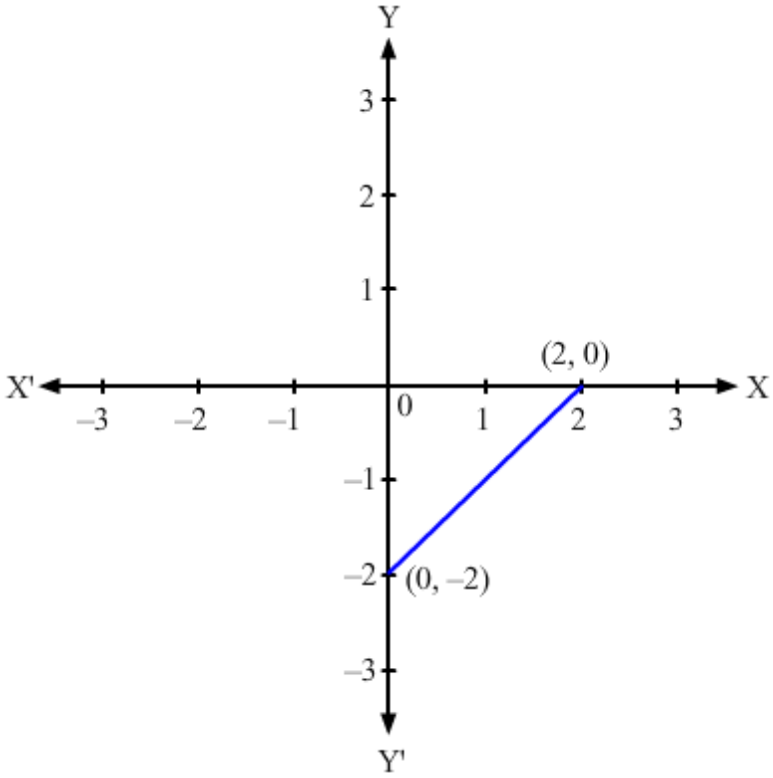
$y = -2$

Substituting $x = 2$ in $y = x - 2$, we get

$y = 0$

Thus, we have the following table exhibiting the abscissa and ordinates of points on the line represented by the given equation

x	0	2
y	–2	0



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