Exercise 8A

Question 7:

The given equation is $3x + 2y = 6$

$\Rightarrow 2y = 6 - 3x$

$\Rightarrow y = \frac{6-3x}{2}$

Now, if $x = 2$, then

$$y = \frac{6-3(2)}{2} = 0$$

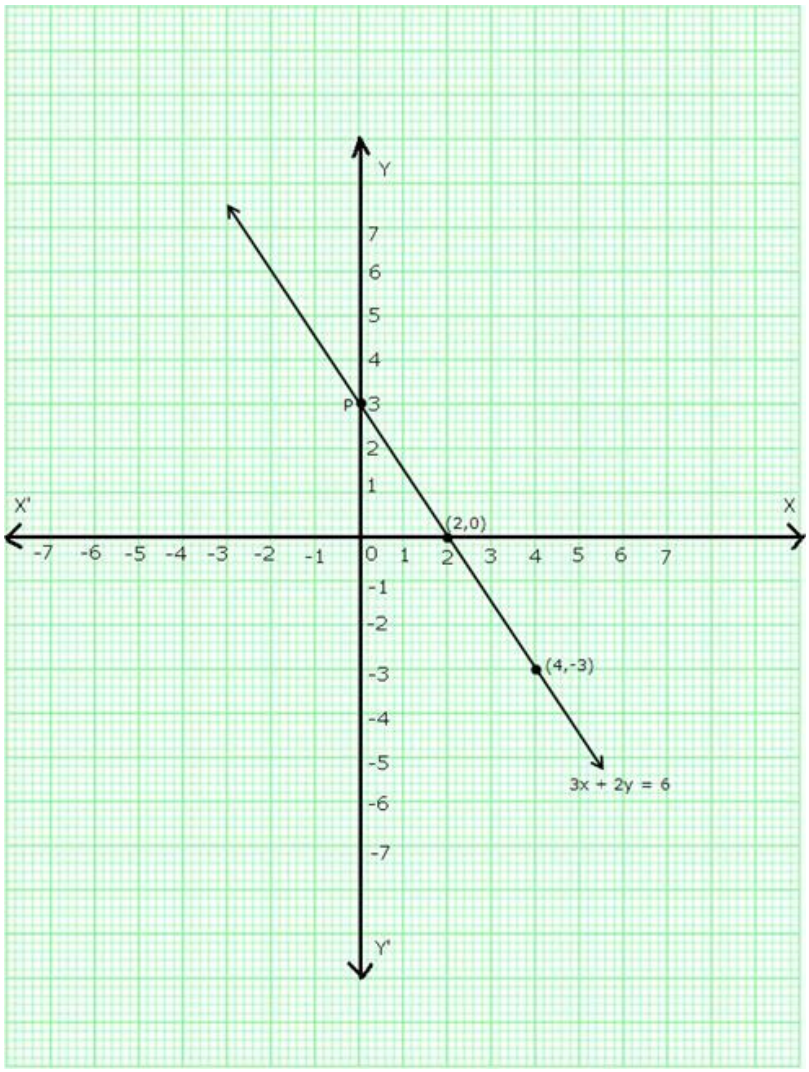
And, if $x = 4$, then

$$y = \frac{6-3(4)}{2} = \frac{-6}{2} = -3$$

Thus, we have the following table:

x	2	4
y	0	-3

Plot points (2, 0) and (4,-3) on a graph paper and join them to get the required graph.



We find that the line 3x + 2y = 6 cuts the y-axis at a point P which is 3 units above the x-axis.
So, co-ordinates of P are (0,3).

********** END **********