

Exercise 8A

## Question 7:

The given equation is 3x + 2y = 6

$$\Rightarrow 2y = 6 - 3x$$

$$6 - 3x$$

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

Now, if x = 2, then

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

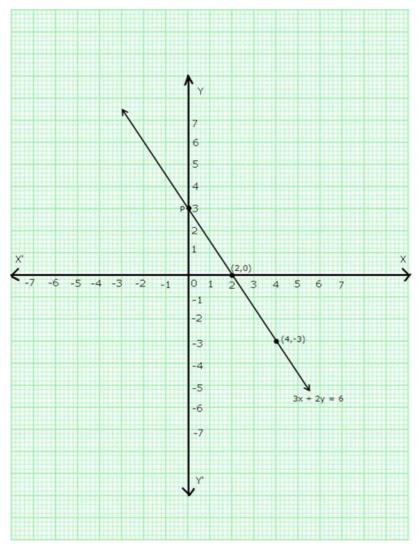
And, if x = 4, then

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

Thus, we have the following table:

Х	2	4
У	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 \*\*\*\*\*\*