

Mathematics

(www.tiwariacademy.net)

(Chapter – 4) (Linear Equations in two Variables)(Exemplar Problems)
(Class – IX)

Exercise 4.1

Write the correct answer in each of the following:

Question 5:

The graph of the linear equation $2x + 3y = 6$ cuts the y – axis at the point

- (A) (2, 0) (B) (0, 3) (C) (3, 0) (D) (0, 2)

Answer 5:

- (D) (0, 2)

Solution:

The given linear equation $2x + 3y = 6$.

If the line cut y – axis, at the point of intersection the value of x will be zero.

$$\Rightarrow 2 \times 0 + 3y = 6$$

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

Hence, the point is (0, 2).

