

# Mathematics

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

## Exercise 4.1

Write the correct answer in each of the following:

### Question 14:

The graph of the linear equation  $2x + 3y = 6$  is a line which meets the x-axis at the point

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

### Answer 14:

- (C) (3, 0)

### Solution:

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

At x – axis, the value of y is zero.

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

$$\Rightarrow 2x = 6$$

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

