

# 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 15:

The graph of the linear equation  $y = x$  passes through the point

- (A)  $\left(\frac{3}{2}, -\frac{3}{2}\right)$       (B)  $\left(0, \frac{3}{2}\right)$       (C) (1, 1)      (D)  $\left(-\frac{1}{2}, \frac{1}{2}\right)$

### Answer 15:

- (C) (1, 1)

### Solution:

The given equation is  $y = x$ .

In this equation the value of  $x$  is equal to value of  $y$ . So, at each point both the coordinates are equal.

