

Mathematics

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

Exercise 4.2

Write whether the following statements are True or False? Justify your answers:

Question 2:

The graph of the linear equation $x + 2y = 7$ passes through the point $(0, 7)$.

Answer 2:

False

Justification:

The given equation is $x + 2y = 7$.

If linear equation $x + 2y = 7$ passes through the point $(0, 7)$ it must satisfy the equation.

LHS

$$= x + 2y$$

$$= 0 + 2 \times 7 \quad [\text{Putting the value } x = 0 \text{ and } y = 7]$$

$$= 14$$

\neq RHS

