

Mathematics

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(Chapter – 3) (Pair of Linear Equations in Two Variables)(Exemplar Problems)
(Class – X)

Exercise 3.1

Choose the correct answer from the given four options:

Question 5:

The pair of equations $x = a$ and $y = b$ graphically represents lines which are

- (A) parallel (B) intersecting at (b, a)
(C) coincident (D) intersecting at (a, b)

Answer 5:

(D) intersecting at (a, b)

Solution:

The given pair of equations $x = a$ and $y = b$. Line $x = a$ is parallel to y – axis and line $y = b$ is parallel to x – axis. So, the lines $x = a$ and $y = b$ are perpendicular to each other and intersect each other at (a, b) .

Hence, the option (D) is correct.

