

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 3:

If a pair of linear equations is consistent, then the lines will be

- (A) parallel (B) always coincident
(C) intersecting or coincident (D) always intersecting

Answer 3:

(C) intersecting or coincident

Solution:

Using the following table:

Condition	Conclusion
If the pair of linear equations is consistent.	Intersecting lines
If the pair of linear equations is inconsistent.	Parallel lines
If the pair of linear equation is dependent and consistent.	Coincident lines

We conclude that the lines are intersecting or coincident.

Hence, the option (C) is correct.

