

Chapter 3 Class 10 Linear Equations In Two Variables - Assertion and Reasoning Worksheet 2 by *teachoo*

Chapter: [Chapter 3 Class 10 Maths – Linear Equations in Two Variables](#)

Name: _____

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Instructions:

For each question, two statements are given: Assertion (A) and Reason (R). Choose the correct option.

- (a) Both A and R are true, and R is the correct explanation of A.
- (b) Both A and R are true, but R is not the correct explanation of A.
- (c) A is true, but R is false.
- (d) A is false, but R is true.

1. **Assertion (A):** The substitution method can be used to solve a pair of linear equations.

Reason (R): In substitution, one variable is expressed in terms of the other.

2. **Assertion (A):** Graphically, two coincident lines represent a pair of inconsistent equations.

Reason (R): Coincident lines have infinite points of intersection.

3. **Assertion (A):** A linear equation $3x + 5y = 2$ has a unique solution.

Reason (R): A linear equation in two variables has infinitely many solutions.

4. **Assertion (A):** There are infinite number of lines which passes through (3, 2).

Reason (R): A linear equation in two variables has infinitely many solutions.

5. **Assertion (A):** $x = 2$ is a line parallel to the y-axis.

Reason (R): The equation of a line parallel to the y-axis is $x = a$.

Important links

- Answer of this worksheet -<https://www.teachoo.com/25593/5362/Assertion-Reasoning---Worksheet-2/category/Teachoo-Questions---Assertion-Reasoning/>
- Full Chapter with Explanation, Activity, Worksheets and more – <https://www.teachoo.com/subjects/cbse-maths/class-10th/ch3-10th-pair-of-linear-equations-in-two-variables/>
- Science Class 10– <https://www.teachoo.com/subjects/science/class-10/>
- Maths Class 10- <https://www.teachoo.com/subjects/cbse-maths/class-10th/>

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