

Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: X

Date:

Name:

ID No.....

Multiple Choice Questions

Tick the correct answer for each of the following:

1. A pair of linear equations in two variables cannot have
- (a) a unique solution (b) no solution
(c) infinitely many solutions (d) exactly two solutions

Sol.

2. The pair of equations $3x - 2y = 5$ and $6x - y = 3$ have
- (a) no solution (b) a unique solution
(c) two solutions (d) infinitely many solutions

Sol.

3. If a pair of linear equations is inconsistent, then the lines representing them will be
- (a) parallel (b) always coincident
(c) intersecting or coincident (d) always intersecting

Sol.

4. If a pair of linear equations has infinitely many solutions, then the lines representing them will be
- (a) parallel (b) intersecting or coincident
(c) always intersecting (d) always coincident

Sol.

5. The pair of equations $4x - 3y + 5 = 0$ and $8x - 6y - 10 = 0$ graphically represents two lines which are
- (a) coincident (b) parallel
(c) intersecting at exactly one point (d) intersecting at exactly two points

Sol.
