

Solving Systems of Equations

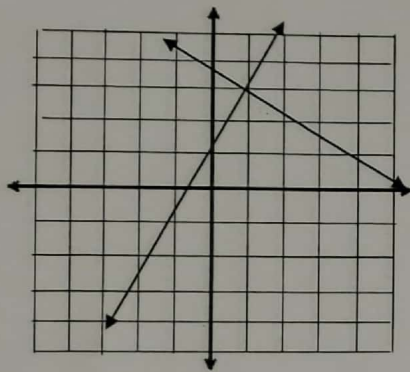
Is the ordered pair a solution of the system of linear equations?

1. $-2x + 3y = 5$ (2, 3)
 $3x + 2y = 12$

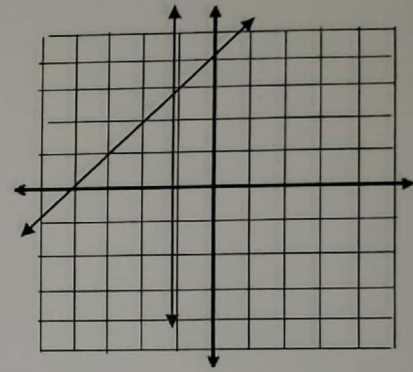
2. $2x + 5y = 23$ (-1, 5)
 $-2x + 3y = 1$

Use the graph to find the solution to the system of equations.

3. $y = 2x + 1$
 $2x + 3y = 11$



4. $-x + y = 4$
 $x = -1$



Use **substitution** to solve the linear system.

5. $x + y = 4$
 $-5x + 2y = -6$

6. $3x = 9$
 $-x + 2y = 9$

Use **elimination** to solve the linear system.

7. $x + y = 3$
 $x + 2y = 6$

8. $4x - 3y = 8$
 $5x - 2y = -11$