

## **Solving Systems of Equations Algebraically (Solving Systems of Equations by Substitution and Elimination) Guided Notes**

1. What is a system of equation?
2. What are simultaneous equations?
3. What is meant by solution of system of equations?
4. What are the methods used to solve system of equations algebraically?
5. On which factor solution of system depends?

**Solving Systems of Equations Algebraically (Solving Systems of Equations by Substitution and Elimination) Guided Notes**

**Solve the system of equation by elimination method.**

1.  $7x + 2y = 47$

$5x - 4y = 1$

2.  $\frac{x+1}{y+1} = 2$

$\frac{2x + 1}{2y + 1} = \frac{1}{3}$

**Solve the system of equation by substitution method.**

3.  $x + y = 2$

$2x - y = 1$