

# UNIT 3- LESSON PLANS

**Class** Algebra 2      **Topic** U3 - Solving Systems of Equations Algebraically (Solving Systems of Equations by Substitution and Elimination)      **Lesson 2 Of 7**

Students will:

- **Understand** how linear system equations are solved by elimination and substitution method.
- Students will be able to :
  - a.) Solve linear equation and simultaneous equations.
  - b.) Apply methods of substitution and elimination to solve system of equations.

**Objective**

**"I Can" Statement**

- I can solve Equations by using Substitution and Elimination methods.

[www.corestandards.org/Math/Content/8/EE/C/8/a/](http://www.corestandards.org/Math/Content/8/EE/C/8/a/)

**Common Core Standards**

*Understand that solutions to a system of two linear equations in two variables correspond to points of intersection of their graphs, because points of intersection satisfy both equations simultaneously.*

**Bell Work**

Solve a quick quiz to refresh the concept of solving equations etc.

**Procedures**

1. Start and lead student discussion related to the bell work.
2. Distribute the Guided Notes
3. Present lesson or play a video lesson.

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4. Distribute Lesson Assignment.
5. Have students check each other's work.

## Assessment

Assignment 1-1

What is the difference between linear equation and simultaneous equation?

How can we find the solution of simultaneous equations?

How to verify the solution of system of equations?

## Additional Resources

<http://www.purplemath.com/modules/systlin4.htm>