

# Algebra 1B Unit 03: Systems of Equations and Inequalities

Content Area: **Math**  
Course(s): **Algebra I B**  
Time Period: **Semester 1**  
Length: **5 cycles**  
Status: **Published**

## Unit Introduction

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## Standards

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MA.A-REI.C.6	Solve systems of linear equations exactly and approximately (e.g., with graphs), focusing on pairs of linear equations in two variables.
MA.A-REI.D.12	Graph the solutions to a linear inequality in two variables as a half plane (excluding the boundary in the case of a strict inequality), and graph the solution set to a system of linear inequalities in two variables as the intersection of the corresponding half-planes.

## Essential Questions

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- Can a system of equations model real-world situations?
- How can you solve a system of equations or inequalities?

## Content

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- Application of Linear Systems
- Linear Inequalities
- Solving Systems by Elimination
- Solving Systems by Graphing
- Solving Systems by Substitution
- Systems of Linear Inequalities

## Skills

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- Application problems using systems of equations
- Solve system of Inequalities
- Solving a linear system by elimination
- Solving a linear system by graphing
- Solving linear system by substitution

- Use graphing calculators and technology where appropriate
- Use relevant vocabulary, notations, and symbols when appropriate