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Primary Type: Video/Audio/Animation

**Direct Link:** <http://whyu.net/media/download/Algebra%2038%20-%20Why%20the%20Elimination%20Method%20Works%20-%20small.mp4>

## Why the Elimination Method Works

This chapter presents a new look at the logic behind adding equations- the essential technique used when solving systems of equations by elimination.

### General Information

**Subject(s):** Mathematics

**Grade Level(s):** 9, 10, 11, 12

**Intended Audience:** [Students](#)

**Instructional Time:** 11 Minute(s)

**Suggested Technology:** Computers for Students, Internet Connection, Speakers/Headphones

**Keywords:** Linear equations;, constant;, elimination method;, point of intersection;, two variables

**Instructional Component Type(s):** [Video/Audio/Animation](#)

**Resource Collection:** Secondary Math specific existing tutorials

### Source and Access Information

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**District/Organization of Contributor(s):** Florida State University

**Access Privileges:** Public

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### Aligned Standards

Name	Description
<a href="#">MAFS.912.A-REI.3.5:</a>	Prove that, given a system of two equations in two variables, replacing one equation by the sum of that equation and a multiple of the other produces a system with the same solutions.
<a href="#">MAFS.912.A-REI.3.6:</a>	Solve systems of linear equations exactly and approximately (e.g., with graphs), focusing on pairs of linear equations in two variables.