

Academic Algebra I: ALG.A.4.SystemsofEq

Solve systems of equations by graphing, substitution, elimination and apply these methods to solve real-life mathematical problems.

Solving Systems of Linear Equations

The lessons in this chapter explore the various methods of solving systems of linear equations and their application to problem situations. Methods include; graphing, substitution, and elimination. The process of deciding which method will be most accurate/efficient for a given situation will be emphasized as we apply systems of equations to real world problems with no particular direction.

You will be asked to do a self-assessment before and after each lesson based on the scale below:

Scale: 4 = I know this very well and can teach it to others.

3 = I know this pretty well and get nearly every problem right the first time.

2 = I am still learning this. I have some questions and am sometimes unsure.

1 = I am not sure about how to do this.

Lesson 5-1 (Pages 253-258) Before: _____ After: _____

I can determine if a system of linear equations has **no, one, or infinitely many** solutions

I can solve systems of equations by **graphing**

Lesson 5-2 (Pages 260-265) Before: _____ After: _____

I can solve systems of equations by using **substitution**

I can solve real world problems involving systems of equations

Lesson 5-3 (Pages 266-270) Before: _____ After: _____

I can solve systems of equations by using **elimination with addition**

I can solve systems of equations by using **elimination with subtraction**

Lesson 5-4 (Pages 272-278) Before: _____ After: _____

I can solve systems of equations by using **elimination with multiplication**

I can solve real world problems involving systems of equations

Lesson 5-5 (Pages 280-284) Before: _____ After: _____

I can determine the **best method** for solving systems of equations

I can **apply** systems of linear equations

