Academic Algebra 1:   Chapter 6

The lessons in this chapter use a variety of methods to solve linear inequalities and analyze the solutions in terms of the situation. We will discuss similarities versus difference in solving equations verse solving inequalities. We will look at compound inequalities and the difference between a union and an intersection. We will end the unit with graphing linear inequalities in two variables on a coordinate plane.

Lesson 6-1 (Pages 294-299)

I can solve linear inequalities by using **addition** and **subtraction**

Lesson 6-2 (Pages 301-307)

I can solve linear inequalities using **multiplication** and **division**

Lesson 6-3 (Pages 308-313)

I can solve linear inequalities containing more than one operation

I can solve linear inequalities involving the distributive property

Lesson 6-4 (Pages 315-320)

I can solve **compound inequalities** containing the word **"and"** & **"or"**

I can **graph** the solution set to a **compound inequality** on a **number line**

Lesson 6-5 (Pages 322-327)

I can solve **absolute value <u>equations</u>** ☐

Lesson 6-6 (Pages 329-333)

I can solve **absolute value <u>inequalities</u>** ☐

Lesson 6-7 (Pages 334-339)

I can **graph inequalities** on the **coordinate plane** ☐

I can solve real world problems involving **linear inequalities** ☐

Lesson 6-8 (Pages 341-345)

I can solve **systems of linear inequalities by graphing** ☐

I can solve real world problems involving **systems of inequalities** ☐