Focused Instruction: Unit 6 Advanced Systems of Equations
Learning Targets: This is an organized list of learning targets to help you prepare for the Unit Test. Please rank each topic using the provided scale.
If you are a low rank on a topic you should: look in your notes, do some research on the topic, look in your green book in CHAPTER 6 page 299-351, as a friend who has a higher rank on that topic than you, as a question to the teacher.

Rank yourself and make an example for each Learning target.

Term	I could teach this topic to others	I can do this topic on my own	I can do this topic with some help	I do not understand this topic at all
The following learning targets are some basic prerequisites from Algebra 1				
I can find Slope				
I can write the equation of a line				
I can write the equation of a parallel line				
I can write the equation of a perpendicular line				
The following learning targets make up 75% of the Unit Test				
I can write constraints given a linear programming problem				
I can graph a liner programming problem showing the feasible region				
I can find the max Profit				
I can easily find the vertex for a parabola				
I can find the feasible region for a parabola				
I can find the feasible region for Non-Linear Systems				

I can find the x values that satisfy the inequality for where the parabola and a line intersect				
I can solve an Absolute value equation and Inequality.				
The following is going much deeper than the Basic Standards. This portion will be graded as 25% of the Unit test				
I can identify the number of rows and columns a matrix has				
I can add or subtract with matrices				
I can multiply a matrix by a scalar				
I can multiply matricies				
I can translate a 2 by 2 system into Matrix Representation				
I can show Proper notation to solve a 2 by 2 Matrix				
I can find the Inverse of a 2 by 2 by "undoing" the Matrix and using systems of equations.				
Therefore I can see the relationship between a system of equation and a				

matrix and I can fluently go between representations				

The Test for this Unit will be broken down into 2 parts:

1) Part 1: 75 % of the score of this test will be based on the Linear Programming aspect of the unit, including non-linear shades and finding the point where the parabola and the line intersect.
2) 25% of the score of this test will be based on the Matrix portion of this unit. You will be demonstrating your ability to go beyond the standards by what you can do with Matricies…an advanced math topic. This is something we need to do here at Washburn in any IB Math Class.

Your test score will be figured on the following:
Part 1: Your percent *75= score
Part 2: Your percent *25 = score
Your final score will be adding the 2 parts together. For example if you did all of the problems correctly in section 1 and nothing correct in section 2, you would have made a 75% as a final score for this unit.