

# Algebra I

## Chapter 5 – Systems of Equations and Inequalities

Assignments			Date Due	Done
Section 5.1	Worksheet 5.1	1, 2a-f		
Section 5.1	Pg. 278-279	6a, b, d, e, f, 7, 9, 13		
Section 5.2	Pg.285-286	1-7,10		
Section 5.3	Pg. 292-294	1-4, 7, 9, 13		
Section 5.5	Pg. 308-311	1-7, 13, 16, 18		
Section 5.6	Pg. 316-317	1-4, 6, 7		
Section 5.7	Pg.324-326	1-5, 8, 10		

### I can Statements:

- I can solve a system of two linear equations with a graph
- I can solve a system of two linear equations by using substitution.
- I can solve a system of two linear equations by using elimination.
- I can write a one variable inequality from a real-world situation.
- I can solve a one variable inequality.
- I can graph a one variable inequality on a number line.
- I can write an inequality to describe an interval graphed on a number line.
- I can graph a two variable inequality on the coordinate plane.
- I can graph a system of inequalities on a coordinate plane.
- I can write the graph of a two variable inequality given the graph.
- I can solve a system of inequalities by graphing
- I can write inequalities to represent the constraints in a real-world problem

### Vocabulary:

- |                                     |                       |                       |
|-------------------------------------|-----------------------|-----------------------|
| • System of equations               | • Substitution method | • Half Plane          |
| • Solution to a system of equations | • Mixture problem     | • Compound Inequality |
| • Intersection                      | • Elimination Method  | • Constraint          |
|                                     | • Inequality          |                       |

### Common Core Standards Addressed: