**Algebra 1 Study Guide 6.3- 6.4**

**6.3: Solving Compound Inequalities:**

* “And” problems-
  + have 2 inequality symbols and three sides- complete the same operation on all three sides
  + the graph needs to overlap- normally it is in the middle
* “Or” problems
  + Have 2 separate problems- solve them separately
  + The graph can do whatever it wants

**6.4: Solving Absolute Value Equations:**

* Make sure the absolute value is by itself (isolated)
* Set the inside equal to a positive and negative
* Should have 2 answers

**6.4: Solve Absolute Value Inequalities:**

* Make sure the absolute value is by itself (isolated)
* Set the inside equal to a positive and negative – flip the sign for the negative
* Should have 2 answers
* If the original problem is less than (<), the problem is an “and” problem
* If the original problem is greater than(>), the problem is an “or” problem