**Summer Math General Info**

Just a few reminders:

The summer math packet is intended to help you review and keep fresh important skills needed for your next math class. Answers are included so you can check your understanding (very important). **The packet will not be collected or graded but you will have a test on this material in the second week of school.** One test only, no retakes. You will have opportunities to see your teacher after school for help in the first week if needed. PLEASE do not wait until school starts to practice these skills!

Below you will find some video links to help you if you are struggling on a topic.

**Rules of Exponents**: <http://www.coolmath.com/prealgebra/13-intro-to-exponents/01_exponents-definitions-01-35> (Click on the different rules on the right under “Intro to Exponents”)

**Simplifying square roots** (excluding rationalizing the denominator): <https://www.wisc-online.com/learn/formal-science/mathematics/tmh1802/simplifying-square-roots> (Follow the slide show)

**Rationalizing the denominator**: <http://www.mathwarehouse.com/algebra/radicals/how-to-rationalize-the-denominator.php> (Look at examples 1 and 2 and practice problems 1-6)

**Graphing a line**: <http://www.wikihow.com/Graph-Linear-Equations>

**Systems of linear equations – solving by substitution**: <http://www.virtualnerd.com/algebra-2/linear-systems/solve-algebraically/solve-by-substitution/equations-solution-by-substitution>

**Systems of linear equations – solving by elimination**: <http://www.mathplanet.com/education/algebra-1/systems-of-linear-equations-and-inequalities/the-elimination-method-for-solving-linear-systems>

**Multiplying binomials (like (x+3)(x-7)) using FOIL**: <http://www.virtualnerd.com/algebra-1/polynomials-and-factoring/multiply-divide/foil-multiplicaton/foil-method-example-problem>

**Multiplying larger polynomials (like (x2+2x+1)(x-5))**: <http://www.virtualnerd.com/algebra-1/polynomials-and-factoring/multiply-divide/distributive-multiplicaton/trinomial-multiplication>

**Factoring trinomials (when the coefficient before the squared term is 1**): <http://www.regentsprep.org/regents/math/algebra/av6/Ltri1.htm>

**Factoring trinomials (when the coefficient before the squared term is not 1):** <http://www.regentsprep.org/regents/math/algtrig/atv1/Ltri2.htm>