HONORS ALGEBRA 2 SUMMER WORK –The purpose of this summer assignment is to keep your skills from Algebra and Geometry sharp and ready to use in your Honors Algebra 2 class. This is intended to be a slow and steady assignment: do one skill per day on week days of summer (should take 10-20 mins per skill) and you should be done with your summer math assignment well before its due. :D There will be a quiz on this summer assignment during the first week of school.

Note: A **TI-84plus graphing calculator is REQUIRED** for this class. If you do not already have one, it's imperative that you have one to be successful.

- Log into IXL (if you don't know your log in, you should have received an email with your log in information… if you can't log in or have other questions, please email pamelas@villagechristian.org BEFORE June 29)
- Under the **learning** tab, type in the **shortcut code** next to the listed skill into the search bar, get each assigned skill **up to a smart score of at least 60 *or* get 6 problems correct if you have already previously completed a skill assigned by a previous teacher**. If you get one wrong, but be sure to go over the detailed help before you move on.

IXL Level: Geometry (check each skill completed: listed is the skill name and **SHORTCUT code in BOLD**.
- A1:Ratios and Proportions (**8EU**)
- A2:Scale drawings: word problems (**M7M**)
- A5: Properties of Exponents (**LNK**)
- A6: Simplify Radical Expressions (**SC5**)
- A7: Solve linear equations (**PHF**)
- A10: Solve systems of linear equations (**76G**)
- A12: Solve a quadratic equation using the Quadratic Formula (**WGU**)
- E1: Coordinate plane review (**ZMF**)
- E2: Slopes of lines (**V2T**)
- E3: Graph a Linear equation (**VUT**)
- E4: Equations of lines (**Q98**)

IXL Level: Algebra (check each skill completed: listed is the skill name and **SHORTCUT code in BOLD**.
- B.2 : Evaluate numerical expressions involving integers (**ZFX**)
- B.6: Evaluate numerical expressions involving rational numbers (**8CU**)
- I.8: Solve equations using order of operations (**8NT**)
- J.10: Solve one-step and two-step equations: word problems (**UFG**)
- K.9: Graph solutions to two-step linear inequalities (**XVM**)
- K.11: Graph Solutions to advanced linear inequalities (**5GC**)
- LL.12: Write equations for lines of best fit (**Y2S**)
- T.3: Graph a two-variable line inequality (**HHP**)
- Z.4: Add and subtract polynomials (**5EK**)
- Z.6: Multiply a polynomial by a monomial (**G2G**)
- Z.8: Multiply two binomials (**M7Q**)

DUE DATE: By the first day of school: Tuesday, August 15, 2023