

St. Paul's Episcopal School
Algebra 1 Summer Math Work
2024 - 2025 School Year

- **You will use your IXL account from the previous school year to complete these assignments.** You are already grouped into a class called “7th Grade” for the remainder of the summer. I have assigned you these assignments via that group.
 - You SHOULD see these assignments assigned to you, but, if you do not, you can always search the names of these lessons in IXL.
 - **You will also see assignments that are for the students who are taking pre-Algebra instead. You DO NOT have to do any lesson assigned that is not on this list so pay close attention!!!**

- This will be graded as an assessment grade at the beginning of the school year. **You must complete EACH assignment to 90% (score) OR for 15 minutes (regardless of score) if you are struggling.** Do not worry about getting things wrong! You can have a low score and still get 100% on this assignment if you try. Remember: The most important thing in math is effort and an open mind. Eventually, you will get it (even if it takes years to get there)!

- I recommend keeping scratch paper, a pencil, and a calculator nearby to help you with these assignments. You should always work out problems on scratch paper when you're doing online computer work.

- **These 16 assignments are REQUIRED:**
 - J.1 Understanding exponents
 - C.2 Evaluate powers
 - K.1 Square roots of perfect squares
 - E.2 Estimate positive square roots
 - T.9 Solve two-step equations

- M.15 Solve equations with the distributive property
 - N.2 Graph inequalities on number lines
 - O.3 Follow directions on a coordinate plane
 - V.4 Area and circumference of circles
 - V.6 Area and perimeter of semicircles and quarter circles
 - X.1 Find the constant of proportionality from a table
 - Y.1 Find the constant of variation
 - HH.4 Changes in mean, median, mode, and range
 - HH.9 Identify an outlier and describe the effect of removing it
 - JJ.6 Compound events: find the number of outcomes
 - JJ.8 Identify independent and dependent events
- You must also **choose FIVE (5) assignments in IXL you have not done before that are at the seventh-grade level OR HIGHER** that you would like to complete. Please write the names of these assignments here:
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