

St. Paul's Episcopal School
Geometry Summer Math Work
2026 - 2027 School Year

- **You will use your IXL account from the previous school year to complete these assignments.** You can search the names of these lessons in the search bar in IXL or follow the links here/in Google Classroom!

- 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. You will get it eventually!

- I recommend keeping scratch paper, a pencil, and a calculator nearby to help you with these assignments. **Work out problems on scratch paper. Turn in this paper and the scratch paper on the first day of school. You may not be able to show work for all lessons, so just do your best!** Use a calculator to check your work as needed.

These 10 assignments are REQUIRED:

- Pythagorean theorem: word problems -
<https://www.ixl.com/math/algebra-1/pythagorean-theorem-word-problems>

- Trigonometric ratios: sin, cos, and tan -
<https://www.ixl.com/math/algebra-1/trigonometric-ratios-sin-cos-and-tan>

- Trigonometric ratios: find a side length -
<https://www.ixl.com/math/algebra-1/trigonometric-ratios-find-a-side-length>

- Trigonometric ratios: find an angle measure -
<https://www.ixl.com/math/algebra-1/trigonometric-ratios-find-an-angle-measure>

