



THE STEWARD SCHOOL

Precalculus

Summer Work 2025

- **due date:** **Monday, August 25 (first day of class)**
- **estimated time:** **7 hours (for planning purposes only; work until you finish)**
- **target goal:** **minimum 5 problems per section AND minimum score of 60**

Dear Precalculus students,

This assignment is designed for you to review those algebra and geometry skills essential to success in precalculus, especially for the first month of school. The assignment consists of problems on iXL.com, so make sure you have your username and password. If you do not know your username and password, please email any math teacher listed below for assistance.

This work is due on the first day of class. At that time, you will go over any questions that you may have, therefore please record your work along with questions you encounter along the way. After the first three days of class you will have a short quiz with problems taken directly from the iXL sections listed on the next page. A portion of the quiz grade will be based on the completeness of your summer work.

We are really looking forward to the upcoming school year and hope you are, too! **Please email any of us if you have questions.**

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On-Line Work

- Log in to [iXL.com](https://www.ixl.com) with the username and password you were given in your math class.
 - ◆ Students new to Steward: your parents will receive an email with your username and password.
- In order to receive credit for summer work, your account must show activity between the dates of June 1 and August 25, 2025. Two criteria will be evaluated:
 - ◆ A minimum of 5 problems from each section must be completed.
 - ◆ A current minimum score of 60 must be reached.
- Work the problems listed below.

Please note: iXL often completes major updating of their content during the summer months. After signing into iXL, CLICK THE LIVE LINKS WITHIN THIS DOCUMENT to access the correct problem set. Do not worry if assignment numbers (or even sometimes names) change.

 - ◆ No matter what, complete 5 problems in each section even if you have already done the section before. This should be done regardless of your original score in each section. Teachers will be looking only at work completed between June 1 and August 25.
 - ◆ After doing 5 problems, continue to do problems until you have a final score of at least 60. If your score is lower than 60 after doing five problems then keep working more problems until your score is over 60. If your score is higher than 60 after doing five problems, you can stop.

Even if you have worked in a particular section at an earlier date (and even if you already have a minimum score in that section), you must complete the above two requirements on or after June 1, 2025. This is extremely important. Teachers can filter out work completed before June 1, 2025 and that work/score will not count towards summer requirements.

- If you are having difficulty of any sort with iXL, reach out to a teacher at one of the email addresses above.

Assessment of Summer Work

1. During the first three days of class your teacher will check your online work.
2. You will have a quiz made up of problems taken directly from the on-line work that will be graded for accuracy.
3. Your online work will be evaluated for completeness; that grade will form part of the quiz grade.

1. click this tab	2. find these sections	3. work these problem sets
Algebra I	Linear Equations	<u>L.4 Slope-intercept form: graph an equation</u> <u>L.5 Slope-intercept form: write an equation from a graph</u> <u>L.6 Slope-intercept form: write an equation</u> <u>L.7 Slope-intercept form: write an equation from a table</u>

	Factor Polynomials	<u>X.4 Factor quadratics with leading coefficient 1</u>
Algebra II	Function Concepts	<u>A.1 Domain and range</u> <u>A.2 Identify functions</u> <u>A.3 Evaluate functions</u> <u>A.4 Find values using function graphs</u> <u>A.5 Complete a table for a function graph</u> <u>A.7 Find solutions using a table</u> <u>A.8 Approximate solutions using a table</u>
	Linear Functions	<u>D.1 Find the slope of a linear function</u> <u>D.2 Graph a linear function</u> <u>D.3 Write the equation of a linear function</u> <u>D.4 Linear functions over unit intervals</u>
	Quadratic funct.	<u>N.7 - Match quadratic functions and graphs</u>
	Radical functions and expressions	<u>S.1 - Domain and range of radical functions</u>
	Function operations	<u>U.4 Composition of linear functions: find a value</u> <u>U.5 Composition of linear functions: find an equation</u> <u>V.2 Find values of inverse functions from tables</u> <u>V.3 Find values of inverse functions from graphs</u>
	Exponential and logarithmic func.	<u>BB.1 Domain and range of exponential and logarithmic functions</u>