



Pre-Calculus Honors: Summer Home Learning

1. Go to the IXL app or the website www.IXL.com/signin/pacespartans
 2. Enter your username and password.
 - **Each student's USERNAME** is their @pacespartans email, WITHOUT ".com" at the end. For example, **jdoe15123@pacespartans.com** would just use **jdoe15123@pacespartans** to login.
 - **Each student's PASSWORD** is their date of birth, just the month and day, with no dashes. For example, a student born on **February 4** would have the password **0204**
 1. Click on **MATH** at the top of the page and navigate to **PRECALCULUS**.
 2. Complete each skill listed below with a SmartScore of **80 or above**.
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The following sections are **MANDATORY** and will count as your first quiz grade:

PRECALCULUS

Functions

- A.11 – Add, Subtract, Multiply, and Divide Functions
- A.12 – Composition of Functions

Quadratic Functions

- C.1 – Find the Maximum and Minimum Value of a Quadratic Function
- C.4 – Match Quadratic Functions and Graphs
- C.5 – Solve a Quadratic Equation using Square Roots
- C.6 – Solve a Quadratic Equation by Factoring
- C.7 – Solve a Quadratic Equation by Completing the Square

Rational Functions

- E.2 – Solve Rational Equations

Systems of Equations

- I.4 – Solve a System of Equations using Substitution
- I.6 – Solve a System of Equations using Elimination
- I.8 – Solve a System of Equations in Three Variables using Substitution
- I.9 – Solve a System of Equations in Three Variables using Elimination