



Algebra II: 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 **EIGHTH GRADE** or **ALGEBRA 1**.
 2. Complete each skill listed below with a SmartScore of **80 or above**.
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EIGHTH GRADE

Coordinate Graphs

- N.1 –Coordinate Plane Review

ALGEBRA 1

Operations

- B.4 – Add and Subtract Rational Numbers
- B.5 – Multiply and Divide Rational Numbers
- B.6 – Evaluate Numerical Expressions involving Rational Numbers

Variable Expressions and Equations

- I.2 – Simplify Variable Expressions Involving Like Terms and the Distributive Property
- I.7 – Solve Equations using Order of Operations

Solve Equations

- J.5 – Solve Advanced Linear Equations
- J.6 – Solve Equations with Variables on Both Sides

Linear Functions

- S.2 – Find the Slope of a Graph
- S.3 – Find the Slope of Two Points
- S.5 – Slope-Intercept Form: Find Slope and y-intercept

Exponents

- V.1 – Exponents with Integer Bases

Polynomials

- Z.4 – Add and Subtract Polynomials
- Z.6 – Multiply a Polynomial by a Monomial
- Z.8 – Multiply Two Binomials