

# Math Department

## Placement Criteria

The various courses that an incoming freshman could take, depending on ability level, are shown in the table below.

Upon acceptance into Jesuit, students may choose to take an Algebra Challenge Exam which tests their knowledge of Algebra 1 concepts covered at Jesuit. Eighth grade students earning grades of C or below in mathematics are required to take a four week summer school Pre-Algebra course prior to the start of school at Jesuit.

The XL (accelerated) and Honors courses are aimed at students who benefit from courses that go at a faster pace and cover more material than the regular courses. Any student demonstrating high aptitude on standardized mathematics tests, high grades and teacher recommendations will be considered for placement into an XL or Honors course.

- Students scoring above 70% on the Algebra Challenge Exam will be placed in Geometry. Any student demonstrating high aptitude on standardized mathematics tests, high grades and teacher recommendations will be considered for placement into Geometry XL.
- Students scoring between 40% and 70% will be offered the Algebra 1 Review Course in Summer School. If they pass this course, they will be placed in Geometry or Geometry XL. If they do not pass or choose not to take the course, they will be placed in Algebra 1.
- Students who pass the Algebra 1 Challenge Exam and have demonstrated high aptitude on standardized mathematics tests, high grades and teacher recommendations will be offered the opportunity to take Geometry XL in Summer School. If they pass this course, they will be placed in Algebra 2 or Algebra 2 Honors. If they do not pass or choose not to take the course, they will be placed in Geometry or Geometry XL.

Incoming freshmen who are presently taking Geometry as 8<sup>th</sup> graders will be invited back to take a Geometry Challenge Exam. Students who pass both the Algebra and Geometry Challenge Exams and who demonstrate high aptitude on standardized tests, combined with strong academic performance and teacher recommendations, will be considered for placement into Algebra 2 Honors.

Freshman Year	Sophomore Year	Junior Year	Senior Year
Algebra 1B	Geometry B	Algebra 2B	Financial Algebra
Algebra 1	Geometry	Algebra 2	Precalculus and/or Statistics and/or Financial Algebra
Algebra 1	Geometry XL	Algebra 2 Honors	Precalculus Honors
Geometry	Algebra 2	Precalculus or Statistics	Calculus and/or Precalculus and/or Statistics and/or Financial Algebra
Geometry XL	Algebra 2 Honors	Precalculus Honors	AP Calculus AB or Calculus
Algebra 2 Honors	Precalculus Honors	AP Calculus AB	AP Calculus BC