

MATHEMATICS PLACEMENT GUIDE

The following placement guide may be used to estimate which book a student should use. A placement test, to be used for initial placement only, will provide a more accurate measure.

Grade Level	Accelerated Student	Average Student	Slower Student
12th	<i>Calculus</i> (A.P. Calculus*)	<i>Advanced Math</i> (Geo., Trig., Alg. 4**)	<i>Advanced Math***</i>
11th	<i>Advanced Math</i> (Pre-Calculus II*) <i>Calculus</i>	<i>Advanced Math</i> (Geo., Trig., Alg. 3**)	<i>Algebra 2</i>
10th	<i>Advanced Math</i> (Pre-Calculus I*)	<i>Algebra 2</i>	<i>Algebra 1</i>
9th	<i>Algebra 2</i>	<i>Algebra 1</i>	<i>Algebra 1/2</i>
8th	<i>Algebra 1</i>	<i>Algebra 1/2</i>	<i>Math 87</i>
7th	<i>Algebra 1/2</i>	<i>Math 87</i>	<i>Math 76</i>
6th	<i>Math 76</i>	<i>Math 76</i>	<i>Math 65</i>
5th	<i>Math 65</i>	<i>Math 65</i>	<i>Math 54</i>
4th	<i>Math 54</i>	<i>Math 54</i>	

- * Suggested course titles. Accelerated students will finish *Advanced Mathematics* in the first semester of eleventh grade and begin *Calculus* in the second semester. Pre-Calculus I consists of the first 70-90 lessons in *Advanced Mathematics*. Pre-Calculus II comprises the remaining lessons.
- ** Suggested course titles. The content in Geometry-Trigonometry-Algebra 3 is identical to that in Pre-Calculus I but is presented at a slower pace. Likewise, Geometry-Trigonometry-Algebra 4 is the same as Pre-Calculus II. Using these course titles allows accelerated students who are not successful in *Advanced Mathematics* during the tenth grade to try again and still receive credit. Students who complete *Advanced Mathematics* will have taken the equivalent of two semesters of geometry, one semester of trigonometry, and one semester of advanced algebra. ("Geometry" in the course title ensures credit for geometry.)
- *** These students may find the material in *Advanced Mathematics* difficult. Consider placing them in a less rigorous mathematics course.

Notes:

- *Math 87* covers a broad spectrum of topics that are required by the mathematical standards of many states. Considerable pre-algebra content is included, and students who complete the text successfully (80% or higher test scores) will be prepared to take *Algebra 1* as their next mathematics course.
- *Algebra 1/2* focuses on developing skills that prepare students for algebra. The pre-algebra content is more extensive than the pre-algebra content of *Math 87*; however, the scope is narrower.