# 2024 Placement Assessment for Mathematics

## FOR MAJORS REQUIRING ALGEBRA

<table>
<thead>
<tr>
<th>ALEKS SCORE</th>
<th>21 or Lower ACT Math OR 520 or Lower SAT Math</th>
<th>22 or Higher ACT Math OR 530 or Higher SAT Math OR 3.5 Overall HS GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>0% - 9%</td>
<td>Math 00020 Pre-Algebra</td>
<td>Math 10675 Algebra for Calculus Boost or Math 20095 Algebraic Thinking*</td>
</tr>
<tr>
<td>10% - 24%</td>
<td>Math 00021 Basic Algebra I</td>
<td>Math 10771 Basic Math Concepts I Plus</td>
</tr>
<tr>
<td>25% - 34%</td>
<td>Math 00022 Basic Algebra II</td>
<td>Math 10772 Modeling Algebra Plus</td>
</tr>
</tbody>
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### ALEKS | HS GPA
---|---
35% - 44% | Math 10675 Algebra for Calculus Boost or Math 20095 Algebraic Thinking*; Math 10771 Basic Math Concepts I Plus; Math 10772 Modeling Algebra Plus
45% - 54% | Less than 3.5 | Math 10675 or Math 20095 Algebraic Thinking*, Math 10771, Math 10772
| 3.5 or greater | Math 10775 Algebra for Calculus Plus; Math 11009 Modeling Algebra; Math 14001 Basic Math Concepts I
55% - 66% | Less than 3.5 | Math 10775, MATH 11009, MATH 14001
| 3.5 or greater | Math 11010 Algebra for Calculus
67% - 77% | Math 11012 Intuitive Calculus; Math 11022 Trigonometry; Math 12011 Calculus with Pre-Calculus
78% + | Math 12002 Analytic Geometry and Calculus I; Math 12021 Calculus for Life Sciences

*Please see page 3 for more information about Math 20095, Algebraic Thinking, currently in the pilot stage.

## FOR MAJORS NOT REQUIRING ALGEBRA – MAY NOT NEED ALEKS PLACEMENT

<table>
<thead>
<tr>
<th>21 or Lower ACT Math OR 520 or Lower SAT Math AND HS GPA below 3.0</th>
<th>High School GPA 3.0 or higher</th>
<th>22 or Higher ACT Math OR 530 or Higher SAT Math OR 3.5 Overall HS GPA</th>
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<td></td>
<td>Math 10040 Intro Statistics Plus or Math 20095 Statistical Thinking**</td>
<td>MATH 10041 Intro Statistics MATH 10051 Quant Reasoning MATH 11008 Explorations in Modern Math</td>
</tr>
<tr>
<td></td>
<td>MATH 10050 Quantitative Reasoning Plus</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Math 11008 Explorations in Modern Math</td>
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**Please see page 3 for more information about Math 20095, Statistical Thinking, currently in the pilot stage.

### Time Limits:
The ACT, SAT, ALEKS Placement Assessment and Accuplacer scores are acceptable for placement purposes for two years from the date of the assessment. The Banner system will allow students to register for a math class if the score is older than two years, but the Department of Mathematical Sciences advises against this. The HS GPA does not expire.

### Students who score between 45-54% or 55-66% on ALEKS and have an overall HS GPA below 3.5 may retake the Aleks placement assessment in a proctored environment.

*Example:* A student with a 45% Aleks score and a HS GPA lower than 3.5 places into MATH 10675, 10771 or 10772. If they score 46% on their second (proctored) assessment, they may register for MATH 10775, 11009, or 14001.
2024 Information about Overrides

When a Kent State University student needs an override to register for a math course:

1. Placement includes **overall high school grade point average (GPA)**.
   - Permission given to advisors to place a PREREQ override for MATH 10675, 10771, 10772, 10041, and 11008 for those students with an overall HS GPA of 3.5 or higher without using a specific CRN. This will give a blanket override for any section of these courses.
   - Permission given to advisors to place a PREREQ override for MATH 10040 and 10050 for those students with an overall HS GPA of 3.0 or higher without using a specific CRN. This will give a blanket override for any section of these courses.
   - If a student scores in the 45 – 54 ALEKS range and does NOT have a HS GPA of 3.5 or above, advisors need to place an APPROVAL override for this student into MATH 10675, 10771, or 10772.
   - If a student scores in the 55 – 66 ALEKS range and does NOT have a HS GPA of 3.5 or above, advisors need to place an APPROVAL override for this student into MATH 10775, 11009, or 14001
   - If placing based on only GPA without ACT/SAT or ALEKS score, then will need an override.

2. Placement **is based on criteria not listed as a prerequisite** in the current Kent State University Catalog

3. **Student has Advancement Placement credit and/or International Baccalaureate credit** for the listed prerequisite for a course

4. **Student has earned college credits from another institution** (not Kent State University) and has earned the minimum grade listed as the prerequisite for the course

Enter PREREQS override for MATH in Banner (SFSRPO) for term:

1. Enter permit type : PREREQS
2. Enter subject: MATH
3. Enter course number
4. Select SAVE
**MATH 20095 Algebraic Thinking**  
*First Course in a Two-Semester Alternative to Math 10675*

**WHO:** Students who would normally register for MATH 10675.

**WHAT:** A 2-credit hour course, focusing on concepts and skills needed to succeed in Math 10775. Emphasis on problem-solving strategies, review of algebra skills, and modeling. Includes study skills training and a growth mindset approach. Students who successfully complete this 2-credit hour course with a grade of C or better should register for Math 10775 the following semester.

**WHEN:** Fall semester 2024 will be the third semester the course is offered. The Math Department ran a pilot during Fall 2023 semester and will investigate success rates of the Algebraic Thinking graduates in Math 10775 during Spring 2024 semester.

**WHERE:** Kent campus.

**WHY:** The Math Department has been concerned about the low success rates in Math 10675 and is trying to better meet the needs of struggling students.

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**MATH 20095 Statistical Thinking**  
*First Course in a Two-Semester Alternative to Math 10040*

**WHO:** Students who would normally register for MATH 10040.

**WHAT:** A 2-credit hour course, focusing on concepts and skills needed to succeed in Math 10041. Emphasis on intuitive development of statistical concepts and review of skills needed to succeed in Math 10041. Includes study skills training and a growth mindset approach. Students who successfully complete this 2-credit hour course with a grade of C or better should register for Math 10041 the following semester.

**WHEN:** Fall semester 2024 will be the second year the course is offered. The Math Department ran a pilot during Fall 2022 semester and will investigate success rates of the Statistical Thinking graduates in Math 10041 during Spring 2024 semester.

**WHERE:** Kent and Ashtabula campuses.

**WHY:** The Math Department has been concerned about the low success rates in Math 10040 and is trying to better meet the needs of struggling statistics students.