

# Chabot College

## Math Assessment Recommendations: Fall 2018

### Good News for Multiple Measures

AB 705 requires the use of multiple measures (e.g., HS GPA, HS courses, etc.) to place students in math and English at CA Community Colleges by Fall 2019. Chabot math faculty have already been preparing for this shift with promising results. Fall 18 assessment results confirmed that using recent high school transcripts, along with the math assessment test, increased a student's likelihood of being placed in a higher-level math course. (Four of our five local high school districts provided Chabot with the transcripts.)

### Students with both HS transcripts and Accuplacer recs placed higher

A total of 2,178 students took the Accuplacer Math assessment test. Of these, 763 were placed using the higher of either the test or a formula that used their HS GPA, last math class level, and grade in that math class. The other 1,415 were given math course recommendations based only on the Accuplacer test.

Students who had the benefit of both the test and their HS transcripts were more likely to place into College Math (61% vs 20%) and much less likely to place into Pre-Algebra (4% vs 32%) than those placed only with the Accuplacer. The Accuplacer placement rates have not changed for years.

**Students with HS Transcripts:**  
**Final Recommendations**  
**(Higher of HS Transcript or Accuplacer)**

	<i>Num</i>	<i>Pct.</i>
1. College-level Math	464	61%
2. Math 55/55A/54/57 Inter Algebra	163	21%
3. Math 53/53A/65/65A Elem Algebra	104	14%
4. Math 104 Pre-Algebra	32	4%
Total	763	100%

**Students without Transcripts:**  
**Final Recommendations**  
**(Accuplacer only)**

	<i>Num</i>	<i>Pct.</i>
1. College-level Math	282	20%
2. Math 55/55A/54/57 Inter Algebra	224	16%
3. Math 53/53A/65/65A Elem Algebra	455	32%
4. Math 104 Pre-Algebra	454	32%
Total	1,415	100%

### HS transcripts and Accuplacer produced different recommendations

For the 763 students who both took Accuplacer and had HS transcripts, the two sources of assessment produced very different math recommendations. HS Transcripts placed 56 percent of students into College Math, while Accuplacer placed only 20 percent of students into College Math. Research in support of AB 705 theorizes Accuplacer recommendations are low due to a number of factors: low test preparation, relying on a one-time measure, testing anxiety, not understanding purpose of test, and/or testing bias. The HS Transcript formula places students closer to their high school math completion.

**Math Course Placement Recommendations for the 763 Students with HS Transcripts**

