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FROM: Mathematics Department

DATE: November 28, 2007 **Revised 11-16-07**

RE: New Math Proficiency and Placement Procedure (Effective 10/1/07 to 9/30/08)

Listed below are the placement procedures based on the ACT/COMPASS Math Placement Test (including "CUNY Math Proficiency") and/or Regent's scores. **This placement is for first time test scores only.** After placement student should proceed along course sequence.

The ACT/COMPASS Test is a computer adaptive test and has four domains:

- Part I: PreAlgebra/Numerical Skills;
- Part II: Algebra (includes Elementary and Intermediate Algebra);
- Part III: College Algebra;
- Part V: Trigonometry.

Students begin at Part I or Part II depending on previous record.

All non-exempted students will take Parts I & II which are required for "CUNY Math Proficiency". Those who do well will continue with Parts III and V; for others, the test will end. Once a student is proficient in one part (Part I: Pre Algebra or Part II: Algebra), the score remains on his/her permanent record. If the "CUNY Math Proficiency" is not satisfied then the student will need intervention i.e., Mth 015, Mth 020, Summer Immersion workshops, Club Hour Prep workshops, in order to retake this portion of the test.

Students who are exempt from the "CUNY Math Proficiency" are required to take Parts II, III, and V of the test for proper placement and for these students the Compass Test will begin with algebra Part II. However, their algebra Part II score will not override the exemption.

I. "CUNY MATH PROFICIENCY"

CUNY wide proficiency standards from October 1, 2007 to September 30, 2008 are as follows:

(As of October 1, 2008 there will be additional changes)

A student meets "CUNY Math Proficiency" if he/she satisfies one of the following:

1. They have a 30 or higher in Part I **and** a 30 or higher in Part II of ACT/COMPASS Test.
2. They are exempt due to one of the following requirements:
 - i) Pass the Exam A Regents **or** Exam B Regents, Sequential II Regents **or** Sequential III Regents with a score of 75 or higher.
 - ii) SAT score of 480 or more in MATH section **or** ACT score of 20 or above in Math Section.
 - iii) Transferring 45 or more credits.

As before, "CUNY Math Proficiency" does not necessarily exempt a student from one or more 0-credit remedial courses.

II. PLACEMENT

This placement consists of the following:

1. We decide whether the student has passed or is exempt from "CUNY Math Proficiency" using (I) on previous page.
2. We place the student based on "CUNY Math Proficiency" and the Regent's score (if any) using (i) below.
3. We decide if their placement scores (in Parts II, III, and V of the COMPASS exam) will place them any higher using (ii). We use Table 1 for Non Exempt students and Table 2 for Exempt students.

(i). Placement based on CUNY Math Proficiency and Regent's scores.

- a) If student passed or is exempt from "CUNY Math Proficiency" and passed Sequential III Regents Exam with a 65 or more or Exam B Regents with a 65 or more, then the student is placed in:
MTH 121, 123 or 217.
- b) If student passed or is exempt from the "CUNY Math Proficiency" and passed Sequential II Regents Exam with a 65 or more or Exam A Regents with a 65 or more, then the student is placed in:
MTH 030,102,108,109,or 113.

(ii). Placement based on Math Placement Test scores:

The student's "CUNY Math Proficiency" and Placement (part II, III, and V of the COMPASS exam) scores will place the student in exactly one row of the following Tables 1 or 2.

FIRST TIME PLACEMENT ONLY

Note: Student is 'placed' in the highest math course for which he/she qualifies based on either placement scores (See iii above) or previous math background (see i above) which is consistent with the student's major.

TABLE 1. Placement For Students Non Exempted From CUNY Math Proficiency

ACT/COMPASS COMPUTER ADAPTIVE TEST					
<u>Part I</u> PreAlg/NumSkills	<u>Part II</u> Algebra	<u>Part III</u> College Algebra	<u>Part V</u> Trigonometry	<u>Placement</u>	Minimum Required for Placement
0 to 29	0 to 29	Any score	Any score	Mth 015, 6 hrs (failed Math Prof.)	<30 in PreAlg AND <30 in Alg
0 to 29	30 to 100	Any score	Any score	Mth 020 (failed Math Prof.)	≥30 in PreAlg OR ≥30 in Alg
30 to 100	0 to 29	Any score	Any score		
30 to 100	30 to 34	Any score	Any score	Mth 020 (passed Math Prof)	
30 to 100	35 to 44	Any score	Any score	Mth 030, 102, 108, 109, 113	≥30in PreAlg and ≥35 in Alg
30 to 100	45 to 100	0 to 39	Any score	Mth 121, 123, 217	≥30 in PreAlg and ≥45 in Alg
30 to 100	45 to 100	40 to 100	0 to 26		
30 to 100	45 to 100	40 to 100	27 to 39	Mth 130, 221, 223,230	≥30 in PreAlg and ≥45 in Alg and ≥40 in CollegeAlg and ≥27 in Trig
30 to 100	45 to 100	40 to 100	40 to 100	Mth 231	≥30 in PreAlg and ≥45 in Alg and ≥40 in CollegeAlg and ≥40 in Trig
& SOME PRECALCULUS BACKGROUND					

TABLE 2. Placement For Students Exempt From CUNY Math Proficiency

ACT/COMPASS COMPUTER ADAPTIVE TEST					
<u>Part I</u> PreAlg/NumSkills	<u>Part II</u> Algebra	<u>Part III</u> College Algebra	<u>Part V</u> Trigonometry	<u>Placement</u>	Minimum Required for Placement
	0 to 34	Any score	Any score	Mth 020 (Exempt Math Prof.)	
	35 to 44	Any score	Any score	Mth 030, 102, 108, 109, 113	≥35 in Alg
	45 to 100	0 to 39	Any score	Mth 121, 123, 217	≥45 in Alg
	45 to 100	40 to 100	0 to 26		
	45 to 100	40 to 100	27 to 39	Mth 130, 221, 223,230	≥45 in Alg and ≥40 in College Alg and ≥27 in Trig
	45 to 100	40 to 100	40 to 100	Mth 231	≥45 in Alg and ≥40 in College Alg and ≥40 in Trig
	& SOME PRECALCULUS BACKGROUND				

COLLEGE OF STATEN ISLAND
DEPARTMENT OF MATHEMATICS

Math Placement Cut Scores for
ACT/COMPASS Computer Testing (effective 10/1/07 to 9/30/08),
and CUNY Math Assessment Test

I. CMAT/COMPASS Score Table

Course Number and Name	Minimum Required Score for Placement											
	CMAT				COMPASS							
	Arith. And Elem. Algebra Parts 1 & 2	Intermed. Algebra 3	Trig. 4	PreCalc. 5	PreAlg. Parts 1	Alg. 2	College Alg. 3	Trig. 5				
015, 6hrs Elem. Algebra with Proficiency Review (for students who failed both parts of CUNY math proficiency)												
020, 4 hrs Elem. Algebra (for students who passed at least one part of math proficiency)	25				30							
					OR							
						30						
030, Intermed. Algebra 102, Mth for Liberal Arts 108 Medical dosage 109 Mth for Environment 113 Intro. Prob. & Stats.	25	8			30	35						
									OR			
									30			
123, College Alg. & Trig. 121, Finite Math (for business students) 217, Math Fundam. I (for El. school teachers)	25	10			30	45						
130, Precalculus 221, Business Calculus 223, Technical Calculus 230, PreCalc. & Calc I	25	10	4	7	30	45	40	27				
231, Calculus I	25	10	6	9	30	45	40	40				
					AND SOME PRECALCULUS BACKGROUND							

II. High School Record

Assuming that the student is CUNY math proficient then

- a. Seq II Regents score ≥ 65 or Exam A ≥ 65 justifies placement in MTH 030, 102, 113, 108, 109
- b. Seq III Regents score ≥ 65 or Exam B ≥ 65 justifies placement in MTH 123, 121, 217.

NOTE: The student should be put in the highest Math course (consistent with his/her curriculum) that he/she qualifies for based on the CMAT/COMPASS score table (I. Above) or the high school record (II. Above)