

## WORKSHEETS FOR COMPONENT RETESTING IN MATHEMATICS A

To be eligible for component retesting in Mathematics A, a senior **must have done all** of the following:

- taken the Mathematics A examination at least once **AND**
- taken at least two Regents Examinations in mathematics (either two or more Mathematics A examinations or **one Mathematics A examination and** one or more examinations in Sequential Mathematics, Courses I, II, or III, or Mathematics B) **AND**
- earned a score between 48 and 64 on at least one of the two Regents Examinations in mathematics the senior took most recently. Any senior who has not scored at least 48 on at least one of the examinations is **not eligible** for component retesting and **must retake** the entire examination.

Pages 2-4 are worksheets for determining which component(s) the eligible senior should take. Make separate worksheets for each eligible senior. Then follow the steps below.

- Fill out the top of Senior Worksheet A.
- Determine whether both final scores are for Mathematics A examinations.

Yes  No

- If the answer is “Yes,” fill out Senior Worksheets A and B-1 as described below, using information from **each of the two** most recent Mathematics A examinations the senior has taken.
- If the answer is “No,” fill out Senior Worksheets A and B-2 as described below, using information from **only the one** Mathematics A examination the senior has taken.

*Fill out Senior Worksheets A and B-1 or B-2 as follows:*

- Enter information from the senior’s answer sheet for the one or two Mathematics A examinations this senior has taken most recently.
- Use *Table A—Mathematics A Regents Examination Map to Learning Standards/Criterion Scores for Components* to compute the component score(s) for the examination(s). The information from the Map to Learning Standards and the credit for each question appears on the table. Follow the directions at the top of the page to fill in the table. *Note: The senior’s score for each component*

*is the number of credits the senior earned on the questions for that key idea, not the number of items correct. Items 1–25 on each examination are worth 2 credits, items 26–30 are worth 3 credits, and items 31–35 are worth 4 credits.*

- If all of the student’s scores for an examination are not available, use *Table C—Determining Weaker Component(s) When Complete Examination Data Are Unavailable*.
- Indicate which component(s) are considered weak for each component/key idea on the examination(s) by putting a check mark in the box in the last row of *Table B—Mathematics A Data Table*.
- For eligible seniors who have taken the Mathematics A examination **at least twice**, use *Table D-1—Weakness Pattern/Determining Component(s) for Retesting*.
  - Place a check mark in the third column of Table D-1 to indicate which row matches the senior’s pattern of weakness.
  - If the senior’s best score is between 55 and 64, the next-to-last column of the table identifies the **one** component for retesting.
  - If the senior’s best score is between 48 and 54, the last column identifies the **two** components for retesting.
  - Place check mark(s) in the Component(s) to Retest section of Table B-1. This indicates the component(s) the senior should take in May 2003.
- For eligible seniors who have taken the Mathematics A examination **only once**, use *Table D-2—Determining Component(s) for Retesting*.
  - Place a check mark in the second column of Table D-2 to indicate which row matches the senior’s weak component(s).
  - If the senior’s score on the Mathematics A examination is between 55 and 64, the third column of the table identifies the **one** component for retesting.
  - If the senior’s score on the Mathematics A examination is between 48 and 54, the last column identifies the **two** components for retesting.
  - Place check mark(s) in the Component(s) to Retest section of Table B-2. This indicates the component(s) the senior should take in May 2003.

## Senior Worksheet A

Senior Name \_\_\_\_\_

Other Student Identifier \_\_\_\_\_

**Most Recent Mathematics A Examination Taken by Eligible Senior**

Date: \_\_\_\_\_ Score: \_\_\_\_\_

*(Complete only for an eligible senior who has taken Mathematics A only once)*

**Mathematics Regents Examination *Other Than Mathematics A* Taken**

**Next Most Recent Mathematics A Examination Taken by Eligible Senior**

Date: \_\_\_\_\_ Score: \_\_\_\_\_

**Most Recently by Eligible Senior—Title:** \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_

Complete Table A by entering the scores from the eligible senior's Mathematics A answer sheet(s) for the examination questions listed below. Add the student scores for each component and write that number in the column labeled "Sum." If the sum for a component is less than the criterion score given, place a check mark in the

box for that component in the last row of the table to indicate that the student score was weak in that component. Then use *Table D-1—Weakness Pattern/Determining Component(s) for Retesting* or *D-2—Determining Component(s) for Retesting* to identify which component(s) the senior should take.

**Table A—Mathematics A Regents Examination Map to Learning Standards/Criterion Scores for Components**

January 2003					
Key Idea/ Component	Item Number	Credit	Student Score	Component Score	
				Sum	Criterion
<i>Modeling/ Multiple Representation</i> Component 4	10	2			11
	12	2			
	13	2			
	17	2			
	20	2			
	24	2			
	29	3			
33	4				
<i>Measurement</i> Component 5	1	2			13
	15	2			
	16	2			
	22	2			
	25	2			
	30	3			
	31	4			
34	4				
<i>Uncertainty</i> Component 6	7	2			4
	21	2			
	23	2			
<i>Patterns/ Functions</i> Component 7	9	2			7
	27	3			
	28	3			
	32	4			
	35	4			
Weak Component(s): <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7					

August 2002					
Key Idea/ Component	Item Number	Credit	Student Score	Component Score	
				Sum	Criterion
<i>Modeling/ Multiple Representation</i> Component 4	2	2			11
	3	2			
	14	2			
	15	2			
	16	2			
	21	2			
	24	2			
<i>Measurement</i> Component 5	1	2			11
	17	2			
	23	2			
	25	2			
	27	3			
	31	4			
35	4				
<i>Uncertainty</i> Component 6	4	2			2
	29	3			
<i>Patterns/ Functions</i> Component 7	18	2			11
	19	2			
	20	2			
	30	3			
	32	4			
	33	4			
34	4				
Weak Component(s): <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7					

Senior Name \_\_\_\_\_ Other Student Identifier \_\_\_\_\_

Most Recent Mathematics A Examination Taken by Eligible Senior

Date: \_\_\_\_\_ Score: \_\_\_\_\_

Next Most Recent Mathematics A Examination Taken by Eligible Senior

Date: \_\_\_\_\_ Score: \_\_\_\_\_

(Complete only for an eligible senior who has taken Mathematics A only once)

Mathematics Regents Examination *Other Than Mathematics A* Taken Most Recently by Eligible Senior—Title: \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_

June 2002					
Key Idea/ Component	Item Number	Credit	Student Score	Component Score	
				Sum	Criterion
<i>Modeling/ Multiple Representation Component 4</i>	1	2		15	
	8	2			
	10	2			
	12	2			
	13	2			
	19	2			
	26	3			
	27	3			
30	3				
<i>Measurement Component 5</i>	4	2		12	
	5	2			
	15	2			
	20	2			
	22	2			
	23	2			
	28	3			
31	4				
<i>Uncertainty Component 6</i>	2	2		2	
	34	4			
<i>Patterns/ Functions Component 7</i>	14	2		8	
	25	2			
	29	3			
	32	4			
	35	4			
Weak Component(s): <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7					

January 2002					
Key Idea/ Component	Item Number	Credit	Student Score	Component Score	
				Sum	Criterion
<i>Modeling/ Multiple Representation Component 4</i>	8	2		9	
	13	2			
	16	2			
	23	2			
	25	2			
	29	3			
	34	4			
<i>Measurement Component 5</i>	2	2		13	
	10	2			
	22	2			
	26	3			
	27	3			
	30	3			
<i>Uncertainty Component 6</i>	9	2		3	
	18	2			
	31	4			
<i>Patterns/ Functions Component 7</i>	3	2		6	
	4	2			
	15	2			
	28	3			
	32	4			
35	4				
Weak Component(s): <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7					

Senior Name \_\_\_\_\_

Other Student Identifier \_\_\_\_\_

Most Recent Mathematics A Examination Taken by Eligible Senior

Date: \_\_\_\_\_ Score: \_\_\_\_\_

Next Most Recent Mathematics A Examination Taken by Eligible Senior

Date: \_\_\_\_\_ Score: \_\_\_\_\_

(Complete only for an eligible senior who has taken Mathematics A only once)

Mathematics Regents Examination *Other Than Mathematics A* Taken Most Recently by Eligible Senior—Title: \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_

August 2001					
Key Idea/ Component	Item Number	Credit	Student Score	Component Score	
				Sum	Criterion
<i>Modeling/ Multiple Representation</i> Component 4	9	2			10
	14	2			
	15	2			
	21	2			
	28	3			
	30	3			
	31	4			
<i>Measurement</i> Component 5	1	2			8
	5	2			
	8	2			
	10	2			
	22	2			
	33	4			
	34	4			
<i>Uncertainty</i> Component 6	7	2			5
	11	2			
	26	3			
	27	3			
<i>Patterns/ Functions</i> Component 7	18	2			7
	24	2			
	32	4			
	35	4			
Weak Component(s): <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7					

June 2001					
Key Idea/ Component	Item Number	Credit	Student Score	Component Score	
				Sum	Criterion
<i>Modeling/ Multiple Representation</i> Component 4	3	2			12
	6	2			
	7	2			
	17	2			
	22	2			
	23	2			
	26	3			
	29	3			
	31	4			
<i>Measurement</i> Component 5	1	2			11
	5	2			
	15	2			
	16	2			
	24	2			
	27	3			
	32	4			
<i>Uncertainty</i> Component 6	14	2			3
	25	2			
	30	3			
<i>Patterns/Functions</i> Component 7	4	2			5
	18	2			
	19	2			
	28	3			
	33	4			
Weak Component(s): <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7					

Senior Name \_\_\_\_\_ Other Student Identifier \_\_\_\_\_

Most Recent Mathematics A Examination Taken by Eligible Senior

(Complete only for an eligible senior who has taken Mathematics A only once)

Date: \_\_\_\_\_ Score: \_\_\_\_\_

Mathematics Regents Examination *Other Than Mathematics A* Taken Most Recently by Eligible Senior—Title: \_\_\_\_\_

Next Most Recent Mathematics A Examination Taken by Eligible Senior

Date: \_\_\_\_\_ Score: \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_

June 2000					
Key Idea/ Component	Item Number	Credit	Student Score	Component Score	
				Sum	Criterion
<i>Modeling/ Multiple Representation</i> Component 4	1	2			5
	14	2			
	22	2			
	27	3			
	32	4			
<i>Measurement</i> Component 5	4	2			9
	9	2			
	10	2			
	17	2			
	24	2			
	30	3			
33	4				
<i>Uncertainty</i> Component 6	16	2			3
	23	2			
	34	4			
<i>Patterns/Functions</i> Component 7	7	2			8
	8	2			
	12	2			
	18	2			
	25	2			
	31	4			
35	4				
Weak Component(s): <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7					

## Senior Worksheet B

Senior Name \_\_\_\_\_ Other Student Identifier \_\_\_\_\_

**Table B-1—Mathematics A Data Table**

*Use this table for eligible seniors who have taken the Mathematics A examination at least twice.  
Use Table B-2 (on the next page) for eligible seniors who have taken the Mathematics A examination only once.*

Next Most Recent Mathematics A Examination Taken				Most Recent Mathematics A Examination Taken			
Date: _____		Final Score: _____		Date: _____		Final Score: _____	
Component	Key Idea	Component Score		Component	Key Idea	Component Score	
		Sum	Criterion			Sum	Criterion
4	<b>Modeling/Multiple Representation</b>			4	<b>Modeling/Multiple Representation</b>		
5	<b>Measurement</b>			5	<b>Measurement</b>		
6	<b>Uncertainty</b>			6	<b>Uncertainty</b>		
7	<b>Patterns/Functions</b>			7	<b>Patterns/Functions</b>		
Weak Component(s): <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7				Weak Component(s): <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7			
Component(s) to Retest: <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7							

Senior Name \_\_\_\_\_ Other Student Identifier \_\_\_\_\_

**Table B-2—Mathematics A Data Table**

*Use this table for eligible seniors who have taken the Mathematics A examination **only once**.*

*Use Table B-1 (on the preceding page) for eligible seniors who have taken the Mathematics A examination **at least twice**.*

<b>Mathematics A Examination Taken</b>			
<b>Date:</b> _____		<b>Final Score:</b> _____	
<b>Component</b>	<b>Key Idea</b>	<b>Component Score</b>	
		<b>Sum</b>	<b>Criterion</b>
<b>4</b>	<b>Modeling/Multiple Representation</b>		
<b>5</b>	<b>Measurement</b>		
<b>6</b>	<b>Uncertainty</b>		
<b>7</b>	<b>Patterns/Functions</b>		
<b>Weak Component(s):</b> <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7			
<b>Component(s) to Retest:</b> <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7			

**DETERMINING WEAKER COMPONENT(S)  
WHEN COMPLETE EXAMINATION DATA ARE UNAVAILABLE**

In some extraordinary circumstances, your school may not have complete data for each senior. If your school has the senior’s final score for an administration of the Mathematics A Regents Examination but does not have other data, use *Table C—Determining Weaker Component(s) When Complete Examination Data Are Unavailable* to determine which component(s) should be considered the weaker component(s) for that administration.

**Table C—Determining Weaker Component(s)  
When Complete Examination Data Are Unavailable**

<b>All Examinations</b>	
<b>Scaled Score</b>	<b>Weaker Component(s)*</b>
<b>48–54</b>	<b>4 &amp; 7</b>
<b>55–60</b>	<b>4</b>
<b>61</b>	<b>7</b>
<b>62</b>	<b>4</b>
<b>63</b>	<b>7</b>
<b>64</b>	<b>6</b>

\* The data in this column represent the weakness patterns for the Mathematics A Regents Examinations given in June 1999 and June 2000.

**Table D-1—Weakness Pattern/Determining Component(s) for Retesting**

Use this table for eligible seniors who have taken the Mathematics A examination at least twice.

Use Table D-2 (on page 13) for eligible seniors who have taken the Mathematics A examination only once.

Weakness Pattern		☑	Component(s) for Senior to Take**	
Next Most Recent Examination	Most Recent Examination		Best Score Between 55 and 64 (1 component)	Best Score Between 48 and 54 (2 components)
4	4		4	4 & 5 or 4 & 6 or 4 & 7
4	4, 5		4	4 & 5
4	4, 5, 6		4	4 & 5 or 4 & 6
4	4, 5, 6, 7		4	4 & 5 or 4 & 6 or 4 & 7
4	4, 5, 7		4	4 & 5 or 4 & 7
4	4, 6		4	4 & 6
4	4, 6, 7		4	4 & 6 or 4 & 7
4	4, 7		4	4 & 7
4	5		5	4 & 5
4	5, 6		5 or 6	5 & 6
4	5, 6, 7		5 or 6 or 7	5 & 6 or 5 & 7 or 6 & 7
4	5, 7		5 or 7	5 & 7
4	6		6	4 & 6
4	6, 7		6 or 7	6 & 7
4	7		7	4 & 7
4, 5	4		4	4 & 5
4, 5	4, 5		4 or 5	4 & 5
4, 5	4, 5, 6		4 or 5	4 & 5
4, 5	4, 5, 6, 7		4 or 5	4 & 5
4, 5	4, 5, 7		4 or 5	4 & 5
4, 5	4, 6		4 or 6	4 & 6
4, 5	4, 6, 7		4	4 & 6 or 4 & 7
4, 5	4, 7		4	4 & 7
4, 5	5		5	4 & 5
4, 5	5, 6		5	5 & 6
4, 5	5, 6, 7		5	5 & 6 or 5 & 7
4, 5	5, 7		5	5 & 7
4, 5	6		6	4 & 6 or 5 & 6
4, 5	6, 7		6 or 7	6 & 7
4, 5	7		7	4 & 7 or 5 & 7

Weakness Pattern		☑	Component(s) for Senior to Take**	
Next Most Recent Examination	Most Recent Examination		Best Score Between 55 and 64 (1 component)	Best Score Between 48 and 54 (2 components)
4, 5, 6	4		4	4 & 5 or 4 & 6
4, 5, 6	4, 5		4 or 5	4 & 5
4, 5, 6	4, 5, 6		5 or 6	5 & 6
4, 5, 6	4, 5, 6, 7		4 or 5 or 6	4 & 5 or 4 & 6 or 5 & 6
4, 5, 6	4, 5, 7		4 or 5	4 & 5
4, 5, 6	4, 6		4 or 6	4 & 6
4, 5, 6	4, 6, 7		4 or 6	4 & 6
4, 5, 6	4, 7		4	4 & 7
4, 5, 6	5		5	4 & 5 or 5 & 6
4, 5, 6	5, 6		5 or 6	5 & 6
4, 5, 6	5, 6, 7		5 or 6	5 & 6
4, 5, 6	5, 7		5	5 & 7
4, 5, 6	6		6	4 & 6 or 5 & 6
4, 5, 6	6, 7		6	6 & 7
4, 5, 6	7		7	4 & 7 or 5 & 7 or 6 & 7
4, 5, 6, 7	4		4	4 & 5 or 4 & 6 or 4 & 7
4, 5, 6, 7	4, 5		4 or 5	4 & 5
4, 5, 6, 7	4, 5, 6		4 or 5 or 6	4 & 5 or 4 & 6 or 5 & 6
4, 5, 6, 7	4, 5, 6, 7		4 or 5 or 6 or 7	Any Two
4, 5, 6, 7	4, 5, 7		4 or 5 or 7	4 & 5 or 4 & 7 or 5 & 7
4, 5, 6, 7	4, 6		4 or 6	4 & 6
4, 5, 6, 7	4, 6, 7		4 or 6 or 7	4 & 6 or 4 & 7 or 6 & 7
4, 5, 6, 7	4, 7		4 or 7	4 & 7
4, 5, 6, 7	5		5	4 & 5 or 5 & 6 or 5 & 7
4, 5, 6, 7	5, 6		5 or 6	5 & 6
4, 5, 6, 7	5, 6, 7		5 or 6 or 7	5 & 6 or 5 & 7 or 6 & 7
4, 5, 6, 7	5, 7		5 or 7	5 & 7
4, 5, 6, 7	6		6	4 & 6 or 5 & 6 or 6 & 7
4, 5, 6, 7	6, 7		6 or 7	6 & 7
4, 5, 6, 7	7		7	4 & 7 or 5 & 7 or 6 & 7

\*\* When the school must make a determination as to which component(s) to administer, the senior should take the component that was next weakest on the last administration, as compared to the criterion score, or as determined by the teacher, based on performance on classwork.

Table D-1, continued

Weakness Pattern		☑	Component(s) for Senior to Take**	
Next Most Recent Examination	Most Recent Examination		Best Score Between 55 and 64 (1 component)	Best Score Between 48 and 54 (2 components)
4, 5, 7	4		4	4 & 5 or 4 & 7
4, 5, 7	4, 5		4 or 5	4 & 5
4, 5, 7	4, 5, 6		4 or 5	4 & 5
4, 5, 7	4, 5, 6, 7		4 or 5 or 7	4 & 5 or 4 & 7 or 5 & 7
4, 5, 7	4, 5, 7		4 or 5 or 7	4 & 5 or 4 & 7 or 5 & 7
4, 5, 7	4, 6		4	4 & 7
4, 5, 7	4, 6, 7		4 or 7	4 & 7
4, 5, 7	4, 7		4 or 7	4 & 7
4, 5, 7	5		5	4 & 5 or 5 & 7
4, 5, 7	5, 6		5	5 & 6
4, 5, 7	5, 6, 7		5 or 7	5 & 7
4, 5, 7	5, 7		5 or 7	5 & 7
4, 5, 7	6		6	4 & 6 or 5 & 6 or 6 & 7
4, 5, 7	6, 7		7	6 & 7
4, 5, 7	7		7	4 & 7 or 5 & 7
4, 6	4		4	4 & 6
4, 6	4, 5		4	4 & 5
4, 6	4, 5, 6		4 or 6	4 & 6
4, 6	4, 5, 6, 7		4 or 6	4 & 6
4, 6	4, 5, 7		4	4 & 5 or 4 & 7
4, 6	4, 6		4 or 6	4 & 6
4, 6	4, 6, 7		4 or 6	4 & 6
4, 6	4, 7		4	4 & 7
4, 6	5		5	4 & 5 or 5 & 6
4, 6	5, 6		6	5 & 6
4, 6	5, 6, 7		6	5 & 6 or 6 & 7
4, 6	5, 7		5 or 7	5 & 7
4, 6	6		6	4 & 6
4, 6	6, 7		6	6 & 7
4, 6	7		7	4 & 7 or 6 & 7

Weakness Pattern		☑	Component(s) for Senior to Take**	
Next Most Recent Examination	Most Recent Examination		Best Score Between 55 and 64 (1 component)	Best Score Between 48 and 54 (2 components)
4, 6, 7	4		4	4 & 6 or 4 & 7
4, 6, 7	4, 5		4	4 & 5
4, 6, 7	4, 5, 6		4 or 6	4 & 6
4, 6, 7	4, 5, 6, 7		4 or 6 or 7	4 & 6 or 4 & 7 or 6 & 7
4, 6, 7	4, 5, 7		4 or 7	4 & 7
4, 6, 7	4, 6		4 or 6	4 & 6
4, 6, 7	4, 6, 7		4 or 6 or 7	4 & 6 or 4 & 7 or 6 & 7
4, 6, 7	4, 7		4 or 7	4 & 7
4, 6, 7	5		5	4 & 5 or 5 & 6 or 5 & 7
4, 6, 7	5, 6		6	5 & 6
4, 6, 7	5, 6, 7		6 or 7	6 & 7
4, 6, 7	5, 7		7	5 & 7
4, 6, 7	6		6	4 & 6 or 6 & 7
4, 6, 7	6, 7		6 or 7	6 & 7
4, 6, 7	7		7	4 & 6 or 4 & 7
4, 7	4		4	4 & 7
4, 7	4, 5		4	4 & 5
4, 7	4, 5, 6		4	4 & 5 or 4 & 6
4, 7	4, 5, 6, 7		4 or 7	4 & 7
4, 7	4, 5, 7		4 or 7	4 & 7
4, 7	4, 6		4	4 & 6
4, 7	4, 6, 7		4 or 7	4 & 7
4, 7	4, 7		4 or 7	4 & 7
4, 7	5		5	4 & 5 or 5 & 7
4, 7	5, 6		5	5 & 6
4, 7	5, 6, 7		7	5 & 7 or 6 & 7
4, 7	5, 7		7	5 & 7
4, 7	6		6	4 & 6 or 6 & 7
4, 7	6, 7		7	6 & 7
4, 7	7		7	4 & 7

Table D-1, continued

Weakness Pattern		☑	Component(s) for Senior to Take**	
Next Most Recent Examination	Most Recent Examination		Best Score Between 55 and 64 (1 component)	Best Score Between 48 and 54 (2 components)
5	4		4	4 & 5
5	4, 5		5	4 & 5
5	4, 5, 6		5	4 & 5 or 5 & 6
5	4, 5, 6, 7		5	4 & 5 or 5 & 6 or 5 & 7
5	4, 5, 7		5	4 & 5 or 5 & 7
5	4, 6		4 or 6	4 & 6
5	4, 6, 7		4 or 6 or 7	4 & 6 or 4 & 7 or 6 & 7
5	4, 7		4 or 7	4 & 7
5	5		5	5 and one other
5	5, 6		5	5 & 6
5	5, 6, 7		5	5 & 6 or 5 & 7
5	5, 7		5	5 & 7
5	6		6	5 & 6
5	6, 7		6 or 7	6 & 7
5	7		7	5 & 7
5, 6	4		4	4 & 5 or 4 & 6
5, 6	4, 5		5	4 & 5
5, 6	4, 5, 6		5 or 6	5 & 6
5, 6	4, 5, 6, 7		5 or 6	5 & 6
5, 6	4, 5, 7		5	4 & 5 or 5 & 7
5, 6	4, 6		6	4 & 6
5, 6	4, 6, 7		6	4 & 6 or 6 & 7
5, 6	4, 7		4 or 7	4 & 7
5, 6	5		5	5 & 6
5, 6	5, 6		5 or 6	5 & 6
5, 6	5, 6, 7		5 or 6	5 & 6
5, 6	5, 7		5	5 & 7
5, 6	6		6	5 & 6
5, 6	6, 7		6	6 & 7
5, 6	7		7	5 & 7 or 6 & 7

Weakness Pattern		☑	Component(s) for Senior to Take**	
Next Most Recent Examination	Most Recent Examination		Best Score Between 55 and 64 (1 component)	Best Score Between 48 and 54 (2 components)
5, 6, 7	4		4	4 & 5 or 4 & 6 or 4 & 7
5, 6, 7	4, 5		5	4 & 5
5, 6, 7	4, 5, 6		5 or 6	5 & 6
5, 6, 7	4, 5, 6, 7		5 or 6 or 7	5 & 6 or 5 & 6 or 6 & 7
5, 6, 7	4, 5, 7		5 or 7	5 & 7
5, 6, 7	4, 6		6	4 & 6
5, 6, 7	4, 6, 7		6 or 7	6 & 7
5, 6, 7	4, 7		7	4 & 7
5, 6, 7	5		5	5 & 6 or 5 & 7
5, 6, 7	5, 6		5 or 6	5 & 6
5, 6, 7	5, 6, 7		5 or 6 or 7	5 & 6 or 5 & 7 or 6 & 7
5, 6, 7	5, 7		5 or 7	5 & 7
5, 6, 7	6		6	5 & 6 or 6 & 7
5, 6, 7	6, 7		6 or 7	6 & 7
5, 6, 7	7		7	5 & 7 or 6 & 7
5, 7	4		4	4 & 5 or 4 & 7
5, 7	4, 5		5	4 & 5
5, 7	4, 5, 6		5	4 & 5 or 5 & 6
5, 7	4, 5, 6, 7		5 or 7	5 & 7
5, 7	4, 5, 7		5 or 7	5 & 7
5, 7	4, 6		4 or 6	4 & 6
5, 7	4, 6, 7		7	4 & 7 or 6 & 7
5, 7	4, 7		7	4 & 7
5, 7	5		5	5 & 7
5, 7	5, 6		5	5 & 6
5, 7	5, 6, 7		5 or 7	5 & 7
5, 7	5, 7		5 or 7	5 & 7
5, 7	6		6	5 & 6 or 6 & 7
5, 7	6, 7		7	6 & 7
5, 7	7		7	5 & 7

Table D-1, concluded

Weakness Pattern		☑	Component(s) for Senior to Take**	
Next Most Recent Examination	Most Recent Examination		Best Score Between 55 and 64 (1 component)	Best Score Between 48 and 54 (2 components)
6	4		4	4 & 6
6	4, 5		4 or 5	4 & 5
6	4, 5, 6		6	4 & 6 or 5 & 6
6	4, 5, 6, 7		6	4 & 6 or 5 & 6 or 6 & 7
6	4, 5, 7		4 or 5 or 7	4 & 5 or 4 & 7 or 5 & 7
6	4, 6		6	4 & 6
6	4, 6, 7		6	4 & 6 or 6 & 7
6	4, 7		4 or 7	4 & 7
6	5		5	5 & 6
6	5, 6		6	5 & 6
6	5, 6, 7		6	5 & 6 or 6 & 7
6	5, 7		5 or 7	5 & 7
6	6		6	6 and one other
6	6, 7		6	6 & 7
6	7		7	6 & 7
6, 7	4		4	4 & 6 or 4 & 7
6, 7	4, 5		4 or 5	4 & 5
6, 7	4, 5, 6		6	4 & 6 or 5 & 6
6, 7	4, 5, 6, 7		6 or 7	6 & 7
6, 7	4, 5, 7		7	4 & 7 or 5 & 7
6, 7	4, 6		6	4 & 6
6, 7	4, 6, 7		6 or 7	6 & 7
6, 7	4, 7		7	4 & 7
6, 7	5		5	5 & 6 or 5 & 7
6, 7	5, 6		6	5 & 6
6, 7	5, 6, 7		6 or 7	6 & 7
6, 7	5, 7		7	5 & 7
6, 7	6		6	6 & 7
6, 7	6, 7		6 or 7	6 & 7
6, 7	7		7	6 & 7

Weakness Pattern		☑	Component(s) for Senior to Take**	
Next Most Recent Examination	Most Recent Examination		Best Score Between 55 and 64 (1 component)	Best Score Between 48 and 54 (2 components)
7	4		4	4 & 7
7	4, 5		4 or 5	4 & 5
7	4, 5, 6		4 or 5 or 6	4 & 5 or 4 & 6 or 5 or 6
7	4, 5, 6, 7		7	4 & 7 or 5 & 7 or 6 & 7
7	4, 5, 7		7	4 & 7 or 5 & 7
7	4, 6		4 or 6	4 & 6
7	4, 6, 7		7	4 & 7 or 6 & 7
7	4, 7		7	4 & 7
7	5		5	5 & 7
7	5, 6		5 or 6	5 & 6
7	5, 6, 7		7	5 & 7 or 6 & 7
7	5, 7		7	5 & 7
7	6		6	6 & 7
7	6, 7		7	6 & 7
7	7		7	7 and one other

**Table D-2—Determining Component(s) for Retesting  
Based on the One Mathematics A Examination**

*Use this table for eligible seniors who have taken  
the Mathematics A examination only once.*

*Use Table D-1 (on the preceding pages) for eligible seniors who have  
taken the Mathematics A examination at least twice.*

Senior's Weak Component(s) on Mathematics A Examination	<input checked="" type="checkbox"/>	Component(s) for Senior to Take**	
		Mathematics A Score Between 55 and 64 (1 component)	Mathematics A Score Between 48 and 54 (2 components)
4		4	4 and one other
4, 5		4 or 5	4 & 5
4, 5, 6		4 or 5 or 6	4 & 5 or 4 & 6 or 5 & 6
4, 5, 6, 7		4 or 5 or 6 or 7	Any two
4, 5, 7		4 or 5 or 7	4 & 5 or 4 & 7 or 5 & 7
4, 6		4 or 6	4 & 6
4, 6, 7		4 or 6 or 7	4 & 6 or 4 & 7 or 6 & 7
4, 7		4 or 7	4 & 7
5		5	5 and one other
5, 6		5 or 6	5 & 6
5, 6, 7		5 or 6 or 7	5 & 6 or 5 & 7 or 6 & 7
5, 7		5 or 7	5 & 7
6		6	6 and one other
6, 7		6 or 7	6 & 7
7		7	7 and one other

\*\* When the school must make a determination as to which component(s) to administer, the senior should take the component that was next weakest, as compared to the criterion score, or as determined by the teacher, based on performance on classwork.