

EXAMPLES OF THE COMPONENT IDENTIFICATION PROCESS FOR THE MATHEMATICS A REGENTS EXAMINATION

Senior Worksheet A for Senior X

Senior Name: **Senior X**

Most Recent Mathematics A Examination Taken by Eligible Senior

Date: **January 2003** Score: **51**

Next Most Recent Mathematics A Examination Taken by Eligible Senior

Date: **August 2002** Score: **53**

Other Student Identifier **SX1**

(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: _____

Senior X took the Mathematics A examination in August 2002 and received a final score of 53. The senior retook the examination in January 2003 and received a final score of 51. Table A below lists Senior X's scores and sums for each component of these two examinations. The sums for each component and the criterion scores

were entered in Table B-1 (see next page). This table shows that Senior X's weakness pattern for both examinations is 4, 5, & 6 and 5, 6. Since Senior X's best score was 53, Senior X must retest on two components. Based on Table D-1, this senior should take components 5 and 6 in May 2003.

Part of Table A for Senior X

January 2003					
Key Idea/ Component	Item Number	Credit	Student Score	Component Score	
				Sum	Criterion
<i>Modeling/ Multiple Representation</i> Component 4	10	2	2	11	11
	12	2	—		
	13	2	2		
	17	2	—		
	20	2	2		
	24	2	—		
	29	3	3		
	33	4	2		
<i>Measurement</i> Component 5	1	2	2	8	13
	15	2	—		
	16	2	—		
	22	2	2		
	25	2	2		
	30	3	1		
	31	4	—		
	34	4	1		
<i>Uncertainty</i> Component 6	7	2	—	2	4
	21	2	—		
	23	2	2		
<i>Patterns/ Functions</i> Component 7	9	2	—	7	7
	27	3	1		
	28	3	2		
	32	4	—		
	35	4	4		
Weak Component(s): <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5 <input checked="" 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	2	7	11
	3	2	2		
	14	2	—		
	15	2	—		
	16	2	2		
	21	2	1		
	24	2	—		
	<i>Measurement</i> Component 5	1	2		
17		2	—		
23		2	2		
25		2	1		
27		3	—		
31		4	2		
35		4	2		
<i>Uncertainty</i> Component 6	4	2	—	0	2
	29	3	—		
<i>Patterns/ Functions</i> Component 7	18	2	—	12	11
	19	2	2		
	20	2	2		
	30	3	2		
	32	4	2		
	33	4	1		
	34	4	3		
Weak Component(s): <input checked="" type="checkbox"/> 4 <input checked="" type="checkbox"/> 5 <input checked="" type="checkbox"/> 6 <input type="checkbox"/> 7					

Senior Worksheet B for Senior X

Senior Name Senior X Other Student Identifier SX1

Table B-1 for Senior X

Next Most Recent Mathematics A Examination Taken				Most Recent Mathematics A Examination Taken			
Date: <u>August 2002</u> Final Score: <u>53</u>				Date: <u>January 2003</u> Final Score: <u>51</u>			
Component	Key Idea	Component Score		Component	Key Idea	Component Score	
		Sum	Criterion			Sum	Criterion
4	Modeling/Multiple Representation	7	11	4	Modeling/Multiple Representation	11	11
5	Measurement	9	11	5	Measurement	8	13
6	Uncertainty	0	2	6	Uncertainty	2	4
7	Patterns/Functions	12	11	7	Patterns/Functions	7	7
Weak Component(s): <input checked="" type="checkbox"/> 4 <input checked="" type="checkbox"/> 5 <input checked="" type="checkbox"/> 6 <input type="checkbox"/> 7				Weak Component(s): <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5 <input checked="" type="checkbox"/> 6 <input type="checkbox"/> 7			
Component(s) to Retest: <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5 <input checked="" type="checkbox"/> 6 <input type="checkbox"/> 7							

Senior Worksheet A for Senior Y

Senior Name Senior Y

Other Student Identifier SY2

Most Recent Mathematics A Examination Taken by Eligible Senior

Date: January 2003 Score: 49

(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: Seq. Math, Course II

Next Most Recent Mathematics A Examination Taken by Eligible Senior

Date: _____ Score: _____

Date: June 2002 Score: 51

Senior Y earned a final score of 49 on the January 2003 Mathematics A examination. In June 2002, Senior Y took the Regents Examination in Sequential Mathematics, Course II, and received a final score of 51. Table A below lists Senior Y's scores and sums for each component of the January 2003 examination. The sums for each component and the

criterion scores were entered in Table B-2 (see next page). This senior's weakness pattern for the one Mathematics A examination is 4, 7. Since Senior Y's score on the Mathematics A examination was 49, Senior Y must retest on two components. Based on Table D-2, Senior Y should take Components 4 and 7 in May 2003.

Part of Table A for Senior Y

January 2003					
Key Idea/ Component	Item Number	Credit	Student Score	Component Score	
				Sum	Criterion
<i>Modeling/ Multiple Representation</i> Component 4	10	2	—	6	11
	12	2	—		
	13	2	2		
	17	2	2		
	20	2	—		
	24	2	—		
	29	3	—		
33	4	2			
<i>Measurement</i> Component 5	1	2	2	14	13
	15	2	2		
	16	2	2		
	22	2	1		
	25	2	1		
	30	3	2		
	31	4	4		
34	4	—			
<i>Uncertainty</i> Component 6	7	2	2	4	4
	21	2	2		
	23	2	—		
<i>Patterns/ Functions</i> Component 7	9	2	—	4	7
	27	3	—		
	28	3	1		
	32	4	—		
	35	4	3		
Weak Component(s): <input checked="" type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input checked="" type="checkbox"/> 7					

Senior Worksheet B for Senior Y

Senior Name Senior Y Other Student Identifier SY2

Table B-2 for Senior Y

Mathematics A Examination Taken			
Date: <u>January 2003</u> Final Score: <u>49</u>			
Com- ponent	Key Idea	Component Score	
		Sum	Criterion
4	Modeling/Multiple Representation	6	11
5	Measurement	14	13
6	Uncertainty	4	4
7	Patterns/Functions	4	7
Weak Component(s): <input checked="" type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input checked="" type="checkbox"/> 7			