

**NEW YORK STATE  
COMPONENT RETEST**

**MATHEMATICS A  
COMPONENT 5  
MODULE 1**

**MONDAY, APRIL 26, 2004**

**SCORING KEY  
AND  
RATING GUIDE**

**Multiple Choice Key**

<b>1</b>	<b>4</b>
<b>2</b>	<b>4</b>
<b>3</b>	<b>2</b>
<b>4</b>	<b>1</b>
<b>5</b>	<b>1</b>
<b>6</b>	<b>3</b>

**Math A Component Retest**  
**April 2004**  
**Component 5, Module 1**

**Key to Multiple-Choice Questions**

(1)	4
(2)	4
(3)	2
(4)	1
(5)	1
(6)	3

**Rubrics**

(7)

[ 4 ] 4,500, 7,500, and 12,000, and appropriate work is shown, such as solving an equation or trial and error with at least three trials and appropriate checks.

[ 3 ] Appropriate work is shown, but one computational error is made.

*or*

[ 3 ] A correct equation is written and solved, resulting in an answer of 1,500, but the amounts given to the three workers are not computed.

[ 2 ] Appropriate work is shown, but two or more computational errors are made.

*or*

[ 2 ] The trial-and-error method is used to find the correct solutions, but only two trials and appropriate checks are shown.

*or*

[ 2 ] The trial-and-error method is attempted and at least six systematic trials and appropriate checks are shown, but no solution is found.

*or*

[ 2 ] An incorrect equation of equal difficulty is solved appropriately.

[ 1 ] A correct equation is written, but no further work is shown.

*or*

[ 1 ] 4,500, 7,500, and 12,000, but no work or only one trial with an appropriate check is shown.

[ 0 ] 4,500 *or* 7,500 *or* 12,000, but no work or only one trial with an appropriate check is shown.

*or*

[ 0 ] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously incorrect procedure.

(8)

[ 4 ] 140 and 200, and appropriate work is shown, such as  $\frac{300 + x + x + 60}{4} = 160$  or trial and error with at least three trials and appropriate checks.

[ 3 ] Appropriate work is shown, but one computational error is made.

*or*

[ 3 ] Appropriate work is shown, but only one correct answer is found.

[ 2 ] Appropriate work is shown, but two or more computational errors are made.

*or*

[ 2 ] An incorrect equation of equal difficulty is solved appropriately.

*or*

[ 2 ] The trial-and-error method is used to find 140 and 200, but only two trials and appropriate checks are shown.

*or*

[ 2 ] The trial-and-error method is attempted and at least six systematic trials and appropriate checks are shown, but no solution is found.

[ 1 ] Appropriate work is shown to show that the sum of the two missing scores is 340, but no further correct work is shown.

*or*

[ 1 ] 140 and 200, but no work or only one trial with an appropriate check is shown.

[ 0 ] 140 *or* 200, but no work or only one trial with an appropriate check is shown.

*or*

[ 0 ] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously incorrect procedure.

(9)

- [ 4 ] Yes, and an appropriate explanation is written and appropriate work is shown.
- [ 3 ] Appropriate work is shown, but one computational error is made.  
*or*
- [ 3 ] Both areas and the percent are found correctly, but no answer or an incorrect answer is given, or no explanation is written.  
*or*
- [ 3 ] One area is found incorrectly, but the appropriate percent, answer, and explanation are given.  
*or*
- [ 3 ] Both areas are found correctly, but the percent is incorrect, but an appropriate answer and explanation are given.
- [ 2 ] Appropriate work is shown, but two or more computational errors are made.  
*or*
- [ 2 ] Both areas are found correctly, but no further correct work is shown.  
*or*
- [ 2 ] Both areas are found incorrectly, but an appropriate answer and explanation are given.
- [ 1 ] Either the area of the foundation or the area of the lot is found correctly, but no further correct work is shown.  
*or*
- [ 1 ] Yes and 29%, but no work is shown.  
*or*
- [ 0 ] Yes, but no explanation is given or no work is shown.
- [ 0 ] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously incorrect procedure.