

**NEW YORK STATE
COMPONENT RETEST**

**MATHEMATICS A
COMPONENT 7
MODULE 1**

WEDNESDAY, APRIL 28, 2004

**SCORING KEY
AND
RATING GUIDE**

Multiple Choice Key

1	1
2	4
3	3
4	2
5	4
6	2

Math A Component Retest
April 2004
Component 7, Module 1

Key to Multiple-Choice Questions

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

Rubrics

(7)

[4] (30,−10), and appropriate algebraic work is shown.

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

or

[3] Appropriate algebraic work is shown, but only one variable is found.

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

or

[2] Appropriate algebraic work is shown, but one conceptual error is made.

or

[2] A method other than an algebraic method is used to find a correct solution, and appropriate work is shown.

[1] Appropriate algebraic work is shown, but one conceptual error and one computational error are made.

or

[1] The trial-and-error method is used to find a correct solution, but only two trials and appropriate checks are shown.

or

[1] An appropriate algebraic process is set up, such as substitution for one variable into one of the equations, but the solution is not completed.

or

[1] A method other than an algebraic solution is used, and one computational or graphing error is made, but an appropriate solution is found.

or

[1] (30,−10), but 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.

(8)

[4] All lines are graphed and labeled correctly and area = 12.5, and appropriate work is shown. [Two of the lines must be labeled for full credit.]

[3] All lines are graphed correctly and area = 12.5, but the lines are not labeled or are labeled incorrectly.

or

[3] The lines are graphed and labeled correctly, but the area of the triangle is missing or is incorrect.

or

[3] Only two of the three lines are graphed correctly, but the area of the triangle is found appropriately.

[2] Only two of the three lines are graphed correctly, and the area of the triangle is missing or is incorrect.

[1] Only one line is graphed and labeled correctly, and no further correct work is shown.

or

[1] All three lines are graphed incorrectly, but the area of the triangle is found appropriately.

or

[1] Area = 12.5, but no work is shown and no graph is drawn.

[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] 150, and appropriate work is shown, such as $a + g = 600$ and $1.5a + 2g = \$975$ or $1.5x + 2(600 - x) = 975$ 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 the correct number of advance sales tickets is found.
- [2] Appropriate work is shown, but two or more computational errors are made.
- or*
- [2] Appropriate work is shown, but one conceptual error is made.
- or*
- [2] An incorrect equation or system of equations of equal difficulty is solved appropriately.
- or*
- [2] The trial-and-error method is used to find a correct solution, 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, but one conceptual error and one computational error are made.
- or*
- [1] 150, but no work or only one trial with an appropriate check 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.