

**NEW YORK STATE
COMPONENT RETEST**

**MATHEMATICS A
COMPONENT 7
MODULE 2**

FRIDAY, MAY 11, 2007

**SCORING KEY
AND
RATING GUIDE**

Multiple Choice Key

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

Math A Component Retest
May 2007
Component 7, Module 2

Key to Multiple-Choice Questions

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

Rubrics

(7)

[4] The parabola is graphed correctly, and 5 is found as the time.

[3] The parabola is graphed correctly, but the time is not found or is found incorrectly.

or

[3] The points are graphed correctly and 5 is found as the time, but the points are not connected.

or

[3] At least seven points are graphed correctly, and an appropriate time is found.

[2] At least seven points are graphed correctly, but the time is not found or is found incorrectly.

or

[2] At least five of the points are graphed correctly, and 5 is found as the time.

[1] At least five points are graphed correctly, but the time is not found or is found incorrectly.

or

[1] 5, 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] $x = 8$ and $y = 7$, and appropriate work is shown.

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

or

[3] Appropriate work is shown to find the correct value of one variable, but the value of the second variable is not found or found incorrectly.

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

or

[2] Appropriate work is shown, but one error is made in solving for the first variable, and the value of the second variable is not found.

or

[2] $x = 8$ and $y = 7$, but a method other than algebraic is used.

[1] Appropriate work is shown, but two or more computational errors are made, and the value of the second variable is not found.

or

[1] The system is solved by a method other than algebraic, and one computational or graphing error is made.

or

[1] $x = 8$ and $y = 7$, but no work is shown.

[0] $x = 8$ or $y = 7$, but no work is shown.

or

[0] 8 and 7, but no work is shown, and the variables are not identified or are identified incorrectly.

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] 71 dimes and 79 nickels and appropriate work is shown, such as $0.10d + 0.05(150 - d) = 11.05$, or an algebraic system 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] 71 and 79, and appropriate work is shown, but the solutions are not labeled or are labeled incorrectly.
- or*
- [3] Appropriate work is shown, but only the number of dimes or the number of nickels 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] 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.
- or*
- [2] A correct equation or system of equations is written, but no further correct work is shown.
- or*
- [2] An incorrect equation or an incorrect system of equations of equal difficulty is solved appropriately.
- [1] Appropriate work is shown, but one conceptual error and one computational error are made.
- or*
- [1] 71 dimes and 79 nickels, but no work or only one trial with an appropriate check is shown.
- [0] 71 dimes *or* 79 nickels, but no work is shown.
- or*
- [0] 71 and 79, but no work is shown, and the answers are not labeled or are labeled incorrectly.
- or*
- [0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously incorrect procedure.