

**NEW YORK STATE
COMPONENT RETEST**

**MATHEMATICS A
COMPONENT 7
MODULE 2**

TUESDAY, MAY 20, 2008

**SCORING KEY
AND
RATING GUIDE**

Multiple Choice Key

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

Math A Component Retest
May 2008
Component 7, Module 2

Key to Multiple-Choice Questions

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

Rubrics

(7)

[4] 3 quarters, 6 nickels, and 8 dimes, and appropriate work is shown, such as solving the equation $0.25q + 0.05(2q) + 0.10(q + 5) = 1.85$ 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] 3, 6, and 8, and appropriate work is shown, but the answers are not labeled or are labeled incorrectly.

or

[3] Appropriate work is shown, but only the number of quarters or nickels or dimes 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 the correct answers, 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 answer is found.

or

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

or

[2] An incorrect equation of equal difficulty is solved appropriately for all three coins.

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

or

[1] 3 quarters, 6 nickels, and 8 dimes, but no work or only one trial with an appropriate check is shown.

[0] 3 quarters or 6 nickels or 8 dimes, but no work is shown.

or

[0] 3, 6, and 8, but the answers are not labeled or are labeled incorrectly, and no work 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] (0,5) and (-5,0), and appropriate graphs are drawn.

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

or

[3] Correct graphs are drawn, but the coordinates of only one solution are stated.

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

or

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

or

[2] Correct graphs are drawn, but the coordinates of the solutions are not stated.

or

[2] (0,5) and (-5,0), but a method other than a graphic solution is used.

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

or

[1] (0,5) and (-5,0), but no work is shown.

[0] (0,5) or (-5,0), but no work 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] 7, 9, and 11, and appropriate work is shown, such as solving the equation $n(n + 2) = 6(n + 4) - 3$ or trial and error with at least three trials and appropriate checks.

[3] A correct equation is written and solved, but one computational error is made.

or

[3] A correct equation is written and solved for one of the integers, but the remaining integers are not 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 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] A correct quadratic equation in standard form is written (set equal to zero), but no further correct work is shown.

or

[2] An incorrect quadratic equation of equal difficulty is solved appropriately, and appropriate solutions are found.

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

or

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

or

[1] 7, 9, and 11, but no work or only one trial with an appropriate check is shown.

[0] 7 or 9 or 11, but no work 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.