NEW YORK STATE
COMPONENT RETEST

MATHEMATICS A
COMPONENT 7
MODULE 1

MONDAY, MAY 18, 2009

SCORING KEY
AND
RATING GUIDE

Multiple Choice Key

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

Math A Component Retest
May 2009
Component 7, Module 1

Key to Multiple-Choice Questions

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

Rubrics

(7)

[4] 3 and –5, and an appropriate algebraic solution is shown.

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

or

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

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

or

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

or

[2] A correct quadratic equation is written in standard form (set equal to zero), but no further correct work is shown.

or

[2] 3 and –5, but a method other than algebraic is used.

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

or

[1] The equation $2x^2 – 3x + 6 = 21 + x^2 – 5x$ or an equivalent equation is written, but no further correct work is shown.

or

[1] 3 and –5, but no work or fewer than three trials and appropriate checks are shown.

[0] 3 or –5, 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.

(8)

[4] A cup of coffee costs $1.50 and a doughnut costs $0.80 or 80¢, and appropriate work is shown, such as solving a system of equations algebraically or by 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 to find $1.50 and $0.80 or 80¢, but the answers are not labeled or are labeled incorrectly.

or

[3] Appropriate work is shown, but only one cost is found and labeled.

or

[3] Appropriate work is shown, and the answers are labeled correctly, but the units are written incorrectly, such as .80¢.

[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] Appropriate work is shown, but the answers are not labeled or are labeled incorrectly, and the units are not written or are written incorrectly.

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 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] A system of equations is written correctly, but no further correct work is shown.

or

[1] A cup of coffee costs $1.50 and a doughnut costs $0.80 or 80¢, but no work or only one trial with an appropriate check is shown.

[0] A cup of coffee costs $1.50 or a doughnut costs $0.80 or 80¢, but no work or only one trial with an appropriate check is shown.

or

[0] $1.50 and $0.80 or 80¢, but no work is shown, and 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.

(9)

[4] Both equations are graphed correctly, and at least one is labeled correctly, and (2,5).

[3] Appropriate work is shown, but one graphing error is made, but an appropriate solution is found.

or

[3] Both equations are graphed correctly, and (2,5), but neither graph is labeled or they are labeled incorrectly.

or

[3] Both equations are graphed correctly, and at least one is labeled correctly, but no further correct work is shown.

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

or

[2] One of the equations is graphed and labeled correctly, but no further correct work is shown.

or

[2] (2,5), but a method other than graphing is used.

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

or

[1] Both equations are graphed incorrectly, but an appropriate solution is found.

or

[1] (2,5), but no work is shown, or fewer than three trials and appropriate checks are shown.

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