

**NEW YORK STATE
COMPONENT RETEST**

**MATHEMATICS A
COMPONENT 7
MODULE 1**

MONDAY, MAY 19, 2008

**SCORING KEY
AND
RATING GUIDE**

Multiple Choice Key

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

Math A Component Retest
May 2008
Component 7, Module 1

Key to Multiple-Choice Questions

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

Rubrics

(7)

[4] Both lines are graphed correctly and at least one is labeled, and the solution $(1,2)$ or $x = 1$ and $y = 2$ is identified.

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

or

[3] Both lines are graphed correctly and at least one is labeled, but the solution is not identified or is identified incorrectly.

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

or

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

or

[2] A correct solution is found using an algebraic method or trial and error with at least three trials and appropriate checks.

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

or

[1] One equation is graphed correctly, but no further correct work is shown.

or

[1] The trial-and-error method is used to find the correct solution, but fewer than three trials and appropriate checks are shown.

or

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

or

[1] An algebraic method is used, and appropriate work is shown, but one computational error is made.

or

[1] (1,2), 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] Babysitting = 32 and landscaping = 80, and appropriate work is shown, such as solving a linear equation, a system of equations algebraically or graphically, or trial and error with at least three trials and appropriate checks.

[3] Appropriate work is shown, but one computational or graphing error is made, but the appropriate number of hours at each job is found.

or

[3] 32 and 80, and appropriate work is shown, but the answers are not labeled or are labeled incorrectly.

or

[3] Babysitting = 32 or landscaping = 80, and appropriate work is shown.

[2] Appropriate work is shown, but two or more computational or graphing errors are made, but the appropriate number of hours at each job is found.

or

[2] Appropriate work is shown, but one conceptual error is made, but the appropriate number of hours at each job is found.

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

or

[2] An incorrect system of equations of equal difficulty is solved appropriately for the number of hours at each job.

[1] Appropriate work is shown, but one conceptual error and one computational or graphing error are made, but the appropriate number of hours at each job is found.

or

[1] Babysitting = 32 and landscaping = 80, but no work or only one trial with an appropriate check is shown.

[0] Babysitting = 32 or landscaping = 80, but no work is shown.

or

[0] 32 and 80, but no work is shown, and the solutions 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] 8 and -2 , and appropriate work is shown, such as $x(x + 10) = 16(x + 1)$ or a graph or trial and error with at least three trials and appropriate checks for each solution.

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

or

[3] 8 or -2 , and appropriate work is shown.

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

or

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

or

[2] The trial-and-error method is attempted and at least six systematic trials and appropriate checks are shown, but neither solution is found.

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

or

[1] $x^2 + 10x = 16x + 16$, but no further correct work is shown.

or

[1] 8 and -2 , but no work or only one trial with an appropriate check is shown.

[0] 8 or -2 , 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.