

**NEW YORK STATE
COMPONENT RETEST**

**MATHEMATICS A
COMPONENT 7
MODULE 1**

THURSDAY, MAY 19, 2005

**SCORING KEY
AND
RATING GUIDE**

Multiple Choice Key

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

Math A Component Retest
May 2005
Component 7, Module 1

Rubrics

(7)

[4] 25 three-point questions and 7 five-point questions, and appropriate work is shown, such as solving the system of equations $x + y = 32$ and $3x + 5y = 110$.

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

or

[3] Appropriate work is shown, but only the number of three-point questions or the number of five-point questions is found correctly.

or

[3] 25 and 7, and appropriate work is shown, but the solutions are not labeled or are labeled incorrectly or the variables are not identified.

[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] Correct solutions are found, but a graphic solution or the trial-and-error method with at least three trials and appropriate checks is used.

or

[2] A correct equation or system of equations is written, but no further correct work is shown.

or

[2] An incorrect equation or system of equations 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] The trial-and-error method is used to find both correct solutions, 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] 25 three-point questions and 7 five-point questions, but no work is shown.

[0] 25 three-point questions *or* 7 five-point questions, but no work is shown.

or

[0] 25 and 7, 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.

(8)

[4] (3,0) and (0,-6), and appropriate work is shown, such as an algebraic or graphic solution.

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

or

[3] Both functions are graphed correctly, and the solution is identified, but neither function is labeled.

or

[3] Appropriate algebraic work is shown, but only one correct ordered pair is found or the correct values are found only for x or for y .

or

[3] Both functions are graphed and labeled correctly, but one 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] (3,0) and (0,-6), but the system is solved using trial and error with at least three trials and appropriate checks.

or

[2] Both equations are graphed correctly, but the coordinates of the solutions are not stated.

or

[2] A correct substitution is made in an algebraic solution, but the resulting quadratic is not factored correctly, but the appropriate solutions are found.

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

or

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

or

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

or

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

or

[1] (3,0) and (0,-6), but no work is shown.

[0] (3,0) *or* (0,-6), 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] 16×32 or 16 and 32, and appropriate work is shown, such as solving the equation $(x + 8)(2x + 8) = 960$ 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 only one dimension is found.

or

[3] Appropriate work is shown, but the negative root is not rejected and two sets of dimensions are given.

[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, such as failing to consider the width of the walkway when setting up the equations.

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] An incorrect equation of equal difficulty is solved appropriately, and appropriate dimensions are found.

or

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

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

or

[1] An incorrect equation of a lesser degree of difficulty is solved appropriately, and appropriate dimensions are found.

or

[1] 16×32 or 16 and 32, but no work or only one trial with an appropriate check is shown.

[0] 16 *or* 32, 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.