

NEW YORK STATE COMPONENT RETEST

MATHEMATICS A COMPONENT 7 MODULE 1

THURSDAY, MAY 10, 2007

SCORING KEY AND RATING GUIDE

Multiple Choice Key

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

Math A Component Retest
May 2007
Component 7, Module 1

Key to Multiple-Choice Questions

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

Rubrics

(7)

[4] 19, and appropriate work is shown, such as an algebraic solution or trial and error with at least three trials and appropriate checks.

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

[2] Appropriate work is shown, but two or more computational or rounding 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.

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

or

[1] 19, but no work or only one trial with an appropriate check 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] 125 adult tickets and 75 student tickets, and appropriate work is shown, such as solving the equation $2.50x + 1.50(200 - x) = 425$ 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] Appropriate work is shown, but only the number of adult tickets or the number of student tickets is found.

or

[3] 125 and 75, and appropriate work is shown, but the solutions are not labeled or are labeled incorrectly.

[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] An incorrect equation or system of equations of equal difficulty is solved appropriately.

or

[2] A correct equation or system of equations 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] 125 adult tickets and 75 student tickets, but no work or only one trial with an appropriate check is shown.

[0] 125 adult tickets *or* 75 student tickets, but no work is shown.

or

[0] 125 and 75, 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.

(9)

[4] Both inequalities are graphed correctly and at least one is labeled, and the coordinates of a point in the solution set are written.

[3] Appropriate work is shown, but one graphing error is made, such as failing to label either graph or using a solid line instead of a dashed line or shading one of the graphs incorrectly.

or

[3] Both inequalities are graphed correctly and at least one is labeled, but the coordinates of a point in the solution set are missing or are incorrect.

[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, such as graphing the lines $2x + y = 8$ and $x = 3$, and identifying the point (3,2) as the solution.

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

or

[1] One of the inequalities is graphed correctly, but no further correct work is shown.

or

[1] Both inequalities are graphed incorrectly, but an appropriate point in the solution set is identified.

or

[1] The coordinates of a point in the solution set are written, and appropriate work is shown, but no graphs are drawn.

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