

**NEW YORK STATE
COMPONENT RETEST**

**MATHEMATICS A
COMPONENT 7
MODULE 2**

THURSDAY, APRIL 29, 2004

**SCORING KEY
AND
RATING GUIDE**

Multiple Choice Key

1	3
2	4
3	1
4	2
5	1
6	3

Math A Component Retest
April 2004
Component 7, Module 2

Key to Multiple-Choice Questions

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

Rubrics

(7)

[4] Evan will be 20 and his mother will be 40, 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 error is made.

or

[3] Evan's current age (10) and his mother's current age (30) are found, and appropriate work is shown.

or

[3] 20 and 40, and appropriate work is shown, but the answers are not labeled or are labeled incorrectly.

[2] Appropriate work is shown, but only one answer is found correctly.

or

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

or

[2] An incorrect equation of equal difficulty is solved appropriately, and their ages in ten years are determined appropriately.

or

[2] The trial-and-error method is used to find the correct solution, but only two trials with 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] 20 and 40, but no work or only one trial with appropriate check is shown.

[0] 20 *or* 40, but no work or only one trial with 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.

(8)

[4] $(-2,1)$ and $(3,6)$, and appropriate work is shown, such as an algebraic solution or a correct graph with both solutions clearly labeled or a table of values with both solutions clearly identified.

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

or

[3] Appropriate work is shown, but only the values for x , the values for y , or the coordinates of one solution are found correctly.

[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] Both equations are graphed correctly, but no solutions are indicated.

or

[2] The correct substitution is performed and the equation is set equal to zero, but no further correct work is shown.

or

[2] One of the equations is graphed incorrectly, but the point or points of intersection are indicated appropriately.

[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] Neither equation is graphed correctly, but the point or points of intersection are indicated appropriately.

or

[1] $(-2,1)$ and $(3,6)$, but no work is shown.

[0] $(-2,1)$ *or* $(3,6)$, 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] 14, and appropriate work is shown, such as the inequality $187 + 20 + 54x \leq 1,000$ 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 the answer is expressed as a decimal or rounded up to 15.

[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.

or

[2] An incorrect equation or inequality of equal difficulty is solved appropriately.

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

or

[1] An incorrect equation of a lesser degree of difficulty is solved appropriately.

or

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

or

[1] 14, 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.