

**NEW YORK STATE
COMPONENT RETEST**

**MATHEMATICS A
COMPONENT 4
MODULE 2**

FRIDAY, MAY 15, 2009

**SCORING KEY
AND
RATING GUIDE**

Multiple Choice Key

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

Math A Component Retest
May 2009
Component 4, Module 2

Key to Multiple-Choice Questions

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

Rubrics

(7)

[4] 75, and appropriate work is shown.

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

or

[3] $m\angle BED = 105$ or $m\angle AEC = 105$, but no further correct work is shown.

[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 using the equation $4x - 45 + 2x + 30 = 180$.

or

[2] A correct equation is written and solved for x , but no further correct work is shown.

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

or

[1] 75, 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] 29 in tier I and 23 in tier II, and an appropriate algebraic solution is shown, such as solving an equation or a system of equations.

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

or

[3] 29 and 23 and appropriate algebraic work is shown, but the solutions are not labeled or are labeled incorrectly.

or

[3] Appropriate algebraic work is shown, but only one of the solutions is found.

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

or

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

or

[2] 29 in tier I and 23 in tier II, but a method other than an algebraic solution is used.

or

[2] An incorrect system of equations of equal difficulty is solved appropriately for both tier I and tier II.

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

or

[1] A correct equation in one variable or a correct system of equations is written, but no further correct work is shown.

or

[1] 29 in tier I and 23 in tier II, but no work or fewer than three trials and appropriate checks are shown.

[0] 29 in tier I or 23 in tier II, and no work is shown.

or

[0] 29 and 23, 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] $\Delta S'A'D'$ and $\Delta S''A''D''$ are graphed and labeled correctly, and the coordinates $S'(3,3)$, $A'(7,-2)$, $D'(1,0)$ and $S''(6,6)$, $A''(14,-4)$, $D''(2,0)$ are stated.

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

or

[3] Appropriate work is shown, but both triangles are transformations of ΔSAD .

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

or

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

or

[2] $\Delta S'A'D'$ and $\Delta S''A''D''$ are graphed and labeled correctly, but the coordinates are not stated or are stated incorrectly.

or

[2] The coordinates of $\Delta S'A'D'$ and $\Delta S''A''D''$ are stated correctly, but no graph is drawn.

or

[2] $\Delta S'A'D'$ is graphed and labeled correctly, and the correct coordinates are stated, but no further correct work is shown.

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

or

[1] $\Delta S'A'D'$ is graphed and labeled correctly, but no further correct work is shown.

or

[1] The coordinates of $\Delta S'A'D'$ are stated correctly, but no further correct work is shown.

or

[1] $\Delta S''A''D''$ is graphed as the image of ΔSAD , and its coordinates are stated appropriately, but no further correct work is shown.

[0] ΔSAD is graphed and labeled correctly, but no further correct 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.