

**NEW YORK STATE
COMPONENT RETEST**

**MATHEMATICS A
COMPONENT 4
MODULE 1**

MONDAY, MAY 15, 2006

**SCORING KEY
AND
RATING GUIDE**

Multiple Choice Key

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

Math A Component Retest
May 2006
Component 4, Module 1

Key to Multiple-Choice Questions

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

Rubrics

- (7)
- [4] Quadrilaterals $ABCD$, $A'B'C'D'$, and $A''B''C''D''$ are graphed and labeled correctly.
- [3] Appropriate work is shown, but one computational or graphing error is made.
- or*
- [3] Correct graphs are drawn, but one graph is not labeled or is labeled incorrectly.
- or*
- [3] Quadrilateral $ABCD$ is graphed incorrectly, but $A'B'C'D'$ and $A''B''C''D''$ are graphed and labeled appropriately.
- or*
- [3] Quadrilateral $ABCD$ is not graphed, but $A'B'C'D'$ and $A''B''C''D''$ are graphed and labeled 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, such as reflecting over the y -axis.
- or*
- [2] Quadrilaterals $ABCD$ and $A'B'C'D'$ are graphed correctly, but no further correct work is shown.
- or*
- [2] The coordinates of $A'(-7,4)$, $B'(-2,6)$, $C'(-3,0)$, $D'(-6,-1)$ and $A''(-7,-4)$, $B''(-2,-6)$, $C''(-3,0)$, $D''(-6,1)$ are stated correctly, but no graph or an incorrect graph is drawn.

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

or

[1] Quadrilateral $ABCD$ is graphed and labeled correctly, but no further correct work is shown.

or

[1] The coordinates of A', B', C', D' are stated correctly, but no further correct 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] Apple = \$0.25 and pear = \$0.30, and appropriate work is shown, such as solving the system of equations $4a + 5p = 2.50$ and $3a + 4p = 1.95$ 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.

or

[3] Appropriate work is shown, but only the cost of one apple or the cost of one pear is found.

or

[3] \$0.25 and \$0.30, and appropriate work is shown, but the answers are not labeled or are labeled 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] The trial-and-error method is used to find the 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] 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 both values.

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

or

[1] Apple = \$0.25 and pear = \$0.30, but no work or only one trial with an appropriate check is shown.

[0] Apple = \$0.25 *or* pear = \$0.30, but no work is shown.

or

[0] \$0.25 and \$0.30, 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] 112.5, and appropriate work is shown, such as $\frac{3}{5}(n + 10) + (n + 10) = 180$ or $x + \frac{3}{5}x = 180$ 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.

or

[3] Appropriate work is shown, but the measure of $\angle 2$ is given as the answer.

or

[3] A correct equation is written and solved, but 10 is not added to find the measure of the angle.

[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 the 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] The value of n is found correctly, but no further correct work is shown.

or

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

or

[2] An incorrect equation 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] 112.5, 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.