

**NEW YORK STATE
COMPONENT RETEST**

**MATHEMATICS A
COMPONENT 5
MODULE 1**

MONDAY, MAY 7, 2007

**SCORING KEY
AND
RATING GUIDE**

Multiple Choice Key

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

Math A Component Retest
May 2007
Component 5, Module 1

Key to Multiple-Choice Questions

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

Rubrics

(7)

[4] Length = 39 and width = 21, and appropriate work is shown, such as solving the equation $2x + 2(2x - 3) = 120$, solving 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] 39 and 21, and appropriate work is shown, but the answers are not labeled or are labeled incorrectly.

or

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

[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] A correct equation or algebraic system 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] Length = 39 and width = 21, but no work or only one trial with an appropriate check is shown.

[0] Length = 39 *or* width = 21, but no work is shown.

or

[0] 39 and 21, 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

(8)

[4] The frequency table is completed correctly, and a correct frequency histogram is drawn.

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

[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, such as drawing a correct bar graph.

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

or

[1] The frequency table is completed 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.

(9)

[4] 45, and appropriate work is shown, such as solving the equation $\tan 53 = \frac{h - 5}{30}$ or

solving the equations $\tan 53 = \frac{x}{30}$ and $h = x + 5$.

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

or

[3] Appropriate work is shown, but 5 is not added to the height of the bird above Blaine's eye level, resulting in an answer of 40.

[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, such as using an incorrect trigonometric function or using an incorrect ratio for tangent.

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

or

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

or

[1] 45, 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.