

# NEW YORK STATE COMPONENT RETEST

## MATHEMATICS A COMPONENT 5 MODULE 1

THURSDAY, MAY 14, 2009

### SCORING KEY AND RATING GUIDE

#### Multiple Choice Key

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

**Math A Component Retest**  
**May 2009**  
**Component 5, Module 1**

**Key to Multiple-Choice Questions**

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

**Rubrics**

(7)

[4] Mean, and appropriate work is shown, such as finding the mean = 84, the mode = 82, and the median = 83.

[3] Appropriate work is shown, but one computational error is made, but an appropriate answer is found.

*or*

[3] All three measures are found correctly, but the question is not answered or is answered incorrectly.

*or*

[3] All three measures are found correctly, and the question is answered correctly, but no work is shown.

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

*or*

[2] Appropriate work is shown, but one conceptual error is made, but an appropriate answer is found.

*or*

[2] Appropriate work is shown to determine two of the measures, but no further correct work is shown.

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

*or*

[1] Appropriate work is shown to determine one of the measures, but no further correct work is shown.

[0] Mean, 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.

(8)

[4] 4 p.m. or 16:00, 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, but an appropriate time is found.

*or*

[3] Appropriate work is shown, but 8, the number of hours driven, is found as the answer.

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

*or*

[2] Appropriate work is shown, but one conceptual error is made, but an appropriate time is found.

*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 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] 4 p.m. or 16:00, but no work or only one trial with an appropriate check is shown.

[0] 8 hours, but no work or only one trial with an 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.

(9)

[4] Both tables are completed correctly, and a correct cumulative frequency histogram is drawn.

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

*or*

[3] Appropriate work is shown, but one or two errors are made in the tables, but an appropriate cumulative frequency histogram is drawn.

[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 drawing a frequency histogram or a cumulative frequency bar graph.

*or*

[2] The tables are completed correctly, but the cumulative frequency histogram is not drawn.

*or*

[2] A correct cumulative frequency histogram is drawn, but no work is shown.

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

*or*

[1] A correct frequency histogram is drawn, 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.