

**NEW YORK STATE
COMPONENT RETEST**

**MATHEMATICS A
COMPONENT 7
MODULE 2**

TUESDAY, MAY 19, 2009

**SCORING KEY
AND
RATING GUIDE**

Multiple Choice Key

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

Math A Component Retest
May 2009
Component 7, Module 2

Key to Multiple-Choice Questions

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

Rubrics

(7)

[4] 80 adults and 120 students, and appropriate work is shown, such as solving an equation or system of equations or the trial-and-error method 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 only the number of adults or the number of students is found, but no further correct work is shown.

or

[3] Appropriate work is shown, but the answers are not labeled or are labeled incorrectly.

[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] An incorrect system of equations of equal difficulty is solved appropriately.

or

[2] The trial-and-error method is used to find the correct solutions, 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 solutions are found.

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

or

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

or

[1] 80 adults and 120 students, but no work or only one trial with an appropriate check is shown.

[0] 80 adults or 120 students, but no work or only one trial with an appropriate check is shown.

or

[0] 80 and 120, 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] $y = -\frac{2}{3}x + 5$, slope = $-\frac{2}{3}$, y-intercept = 5 or (0,5), and a correct graph is drawn.

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

or

[3] $y = -\frac{2}{3}x + 5$, slope = $-\frac{2}{3}$, y-intercept = 5 or (0,5), but no graph is drawn or one graphing error is made.

or

[3] The equation is written incorrectly, but an appropriate slope and y-intercept are written and an appropriate graph is drawn.

or

[3] $y = -\frac{2}{3}x + 5$ and a correct graph is drawn, but either the slope or the y-intercept is not identified or is identified incorrectly.

or

[3] Slope = $-\frac{2}{3}$, y-intercept = 5 or (0,5), and a correct graph is drawn, but the equation is not written in $y = mx + b$ form.

[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] Slope = $-\frac{2}{3}$ and y-intercept = 5 or (0,5), but the equation is not written in $y = mx + b$ form, and no graph or an incorrect graph is drawn.

or

[2] $y = -\frac{2}{3}x + 5$ and either the slope or the y-intercept is identified correctly, but no graph or an incorrect graph is drawn.

or

[2] $y = -\frac{2}{3}x + 5$ and a correct graph is drawn, but the slope and the y-intercept are not identified or are identified incorrectly.

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

or

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

or

[1] Only a correct graph is drawn.

or

[1] Slope = $-\frac{2}{3}$ or y-intercept = 5 or (0,5), but the equation is not written, and no graph or an incorrect graph is drawn.

[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 the circle and the parabola are sketched correctly, and 3 points of intersection are stated.

[3] Appropriate work is shown, but one graphing error is made, but an appropriate number of points of intersection is stated.

or

[3] Both the circle and the parabola are sketched correctly, but the number of points of intersection is not stated or is stated incorrectly.

[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.

or

[2] Either the circle or the parabola is sketched correctly, but no further correct work is shown.

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

or

[1] Both graphs are sketched incorrectly, but an appropriate number of points of intersection is stated.

[0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously incorrect procedure.