

# NEW YORK STATE COMPONENT RETEST

## MATHEMATICS A COMPONENT 5 MODULE 1

THURSDAY, MAY 15, 2008

### SCORING KEY AND RATING GUIDE

#### Multiple Choice Key

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

**Math A Component Retest**  
**May 2008**  
**Component 5, Module 1**

**Key to Multiple-Choice Questions**

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

**Rubrics**

- (7)
- [4] 46, and appropriate work is shown.
- [3] Appropriate work is shown, but one computational or rounding error is made.
- or*
- [3]  $AB$  is found incorrectly, but an appropriate area is found for the shaded region.
- or*
- [3] The areas of both the triangle and the circle are found correctly, but the areas are not subtracted.
- [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 area of the triangle or the circle is found correctly, but no further correct work is shown.
- or*
- [2]  $AB$  is found incorrectly, but an appropriate area is found for both the triangle and the circle, but the areas are not subtracted.
- [1] Appropriate work is shown, but one conceptual error and one computational or rounding error are made.
- or*
- [1]  $AB$  is found incorrectly, but an appropriate area is found for either the triangle or the circle.
- or*
- [1] Appropriate work is shown to find  $AB = 16$ , but no further correct work is shown.
- or*
- [1] 46, 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] 45, and an appropriate box-and-whisker plot is drawn, including the minimum point at 20, the maximum point at 80, the median at 40, and the quartiles at 30 and 55.

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

[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 using the mode or mean for the box and whisker plot instead of the median.

*or*

[2] Appropriate work is shown to find the minimum, maximum, median, and quartiles as well as the mean, but no box-and-whisker plot is drawn.

*or*

[2] 45, but an incorrect graph of equal difficulty, such as a stem-and-leaf plot, is graphed appropriately.

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

[0] 45, but no graph is drawn.

*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]  $r = 9.5$  and  $x = 8.6$ , and appropriate work is shown, such as  $\sin 25^\circ = \frac{4}{r}$  and  $\tan 25^\circ = \frac{4}{x}$  or the Pythagorean theorem.

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

*or*

[3] Appropriate work is shown, and the correct answers are found, but they are not identified or are identified incorrectly.

[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*

[2]  $r = 9.5$  or  $x = 8.6$ , and appropriate work is shown.

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

*or*

[1]  $\sin 25^\circ = \frac{4}{r}$  and  $\tan 25^\circ = \frac{4}{x}$ , but no further correct work is shown.

*or*

[1]  $r = 9.5$  and  $x = 8.6$ , but no work is shown.

[0]  $r = 9.5$  or  $x = 8.6$ , 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.