

**NEW YORK STATE  
COMPONENT RETEST**

**MATHEMATICS A  
COMPONENT 5  
MODULE 1**

**MONDAY, MAY 16, 2005**

**SCORING KEY  
AND  
RATING GUIDE**

**Multiple Choice Key**

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

**Math A Component Retest**  
**May 2005**  
**Component 5, Module 1**

**Rubrics**

- (7) REVISSED [Frequency Table was not provided in student booklet.]
- [ 4 ] A correct frequency table is completed and a correct histogram is drawn with both axes labeled and with correct numerical scales. (NOTE: Full credit should be awarded if a correct histogram is drawn but the frequency table is not provided.)
- [ 3 ] Appropriate work is shown, but one computational or graphing error is made, such as starting the  $x$ -axis at 65 or not labeling the axes or labeling them incorrectly.
- or*
- [ 3 ] One error is made in constructing a frequency table, but an appropriate histogram is drawn.
- [ 2 ] Appropriate work is shown, but two or more computational or graphing errors are made.
- or*
- [ 2 ] One conceptual error is made, such as drawing an appropriate bar graph or an appropriate cumulative frequency histogram.
- [ 1 ] Appropriate work is shown, but one conceptual error and one computational or graphing error are made.
- or*
- [ 1 ] A correct frequency table is provided, but no further correct work is shown or a line 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.

(8)

[ 4 ] 7.7, and appropriate work is shown.

[ 3 ] Appropriate work is shown, but one computational or rounding error is made or the answer is expressed in terms of  $\pi$ .

*or*

[ 3 ] The area of the circle and the area of the square are found correctly, but they 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, such as subtracting the circumference of the circle from the area of the square, but an appropriate answer is found.

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

*or*

[ 1 ] The area of the circle is found correctly, but no further correct work is shown.

*or*

[ 1 ] 7.7, 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.

(9)

[ 4 ] 1,043, and appropriate work is shown, such as  $\tan 14^\circ = \frac{260}{x}$  or  $\tan 76^\circ = \frac{x}{260}$ .

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

[ 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 ratio or identifying the incorrect angle as the angle of depression.

*or*

[ 2 ] An appropriate diagram is drawn and a correct trigonometric equation is written, but no further correct work is shown.

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

*or*

[ 1 ] An accurately labeled diagram is drawn, but no further correct work is shown.

*or*

[ 1 ] 1,043, 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.