

## Table 4.2AB – Calculus AB Scoring Worksheet (page 173)

Please use the following in place of the scoring worksheet found on page 173 in the AP Calculus 2008 Released Exam. The worksheet found within the printed book itself should not be used because beginning with the May 2011 administration of AP Exams, the method for scoring the multiple-choice section has changed. Beginning in 2011, total scores on the multiple-choice section are based on the number of questions answered correctly. Points are no longer deducted for incorrect answers and, as always, no points are awarded for unanswered questions.

### Section I: Multiple-Choice

$$\frac{\text{Number Correct}}{\text{(out of 44)}} \times 1.2272 = \frac{\text{Weighted Section I Score}}{\text{(Do not round)}}$$

### Section II: Free Response

Question 1  $\frac{\text{_____}}{\text{(out of 9)}} \times 1.0000 = \frac{\text{_____}}{\text{(Do not round)}}$

Question 2  $\frac{\text{_____}}{\text{(out of 9)}} \times 1.0000 = \frac{\text{_____}}{\text{(Do not round)}}$

Question 3  $\frac{\text{_____}}{\text{(out of 9)}} \times 1.0000 = \frac{\text{_____}}{\text{(Do not round)}}$

Question 4  $\frac{\text{_____}}{\text{(out of 9)}} \times 1.0000 = \frac{\text{_____}}{\text{(Do not round)}}$

Question 5  $\frac{\text{_____}}{\text{(out of 9)}} \times 1.0000 = \frac{\text{_____}}{\text{(Do not round)}}$

Question 6  $\frac{\text{_____}}{\text{(out of 9)}} \times 1.0000 = \frac{\text{_____}}{\text{(Do not round)}}$

Sum =  $\frac{\text{_____}}{\text{Weighted Section II Score (Do not round)}}$

<b>AP Score Conversion Chart Calculus AB</b>	
Composite Score Range	AP Score
68 - 108	5
52 - 67	4
39 - 51	3
27 - 38	2
0 - 26	1

### Composite Score

$$\frac{\text{Weighted Section I Score}}{\text{_____}} + \frac{\text{Weighted Section II Score}}{\text{_____}} = \frac{\text{Composite Score}}{\text{(Round to nearest whole number)}}$$

**Table 4.4AB—Calculus AB Section I Scores and AP Scores (page 174)**

Due to the changes in multiple-choice scoring, the range of scores in Table 4.4 have changed, though the percentages remain the same. Please find the revised range of multiple-choice scores in the table below.

For a given range of multiple-choice scores, this table shows the percentage of students receiving each AP score. If you have calculated the multiple-choice score (**Weighted Section I Score**) by using the formula shown in Table 4.2, you can use this table to figure out the most likely score that the student would receive based only on that multiple-choice score.

Multiple-Choice Score	AP Score					Total
	1	2	3	4	5	
48 to 54	0.0%	0.0%	0.0%	0.1%	99.9%	3.8%
39 to 47	0.0%	0.0%	0.1%	8.0%	91.9%	13.5%
32 to 38	0.0%	0.1%	7.0%	65.6%	27.3%	20.4%
24 to 31	0.0%	10.5%	58.4%	30.7%	0.3%	21.6%
17 to 23	20.0%	59.9%	19.5%	0.6%	0.0%	19.4%
0 to 16	93.5%	6.3%	0.2%	0.0%	0.0%	21.3%
Total	23.8%	15.2%	17.9%	21.2%	21.8%	100.0%

## Table 4.2BC – Calculus BC Scoring Worksheet (page 176)

Please use the following in place of the scoring worksheet found on page 176 in the AP Calculus 2008 Released Exam. The worksheet found within the printed book itself should not be used because beginning with the May 2011 administration of AP Exams, the method for scoring the multiple-choice section has changed. Beginning in 2011, total scores on the multiple-choice section are based on the number of questions answered correctly. Points are no longer deducted for incorrect answers and, as always, no points are awarded for unanswered questions.

### Section I: Multiple-Choice

$$\frac{\text{Number Correct (out of 45)}}{\text{Number Correct (out of 45)}} \times 1.2000 = \frac{\text{Weighted Section I Score (Do not round)}}{\text{Weighted Section I Score (Do not round)}}$$

### Section II: Free Response

Question 1  $\frac{\text{Number Correct (out of 9)}}{\text{Number Correct (out of 9)}} \times 1.0000 = \frac{\text{Weighted Section II Score (Do not round)}}{\text{Weighted Section II Score (Do not round)}}$

Question 2  $\frac{\text{Number Correct (out of 9)}}{\text{Number Correct (out of 9)}} \times 1.0000 = \frac{\text{Weighted Section II Score (Do not round)}}{\text{Weighted Section II Score (Do not round)}}$

Question 3  $\frac{\text{Number Correct (out of 9)}}{\text{Number Correct (out of 9)}} \times 1.0000 = \frac{\text{Weighted Section II Score (Do not round)}}{\text{Weighted Section II Score (Do not round)}}$

Question 4  $\frac{\text{Number Correct (out of 9)}}{\text{Number Correct (out of 9)}} \times 1.0000 = \frac{\text{Weighted Section II Score (Do not round)}}{\text{Weighted Section II Score (Do not round)}}$

Question 5 (AB Part)  $\frac{\text{Number Correct (out of 5)}}{\text{Number Correct (out of 5)}} \times 1.0000 = \frac{\text{Weighted Section II Score (Do not round)}}{\text{Weighted Section II Score (Do not round)}}$

Question 5 (BC Part)  $\frac{\text{Number Correct (out of 4)}}{\text{Number Correct (out of 4)}} \times 1.0000 = \frac{\text{Weighted Section II Score (Do not round)}}{\text{Weighted Section II Score (Do not round)}}$

Question 6  $\frac{\text{Number Correct (out of 9)}}{\text{Number Correct (out of 9)}} \times 1.0000 = \frac{\text{Weighted Section II Score (Do not round)}}{\text{Weighted Section II Score (Do not round)}}$

Sum =  $\frac{\text{Weighted Section II Score (Do not round)}}{\text{Weighted Section II Score (Do not round)}}$

**Composite Score**  $\frac{\text{Weighted Section I Score}}{\text{Weighted Section I Score}} + \frac{\text{Weighted Section II Score}}{\text{Weighted Section II Score}} = \frac{\text{Composite Score (Round to nearest whole number)}}{\text{Composite Score (Round to nearest whole number)}}$

<b>AP Score Conversion Chart Calculus BC</b>	
Composite Score Range	AP Score
69 - 108	5
59 - 68	4
44 - 58	3
36 - 43	2
0 - 35	1

**Table 4.4BC—Calculus BC Section I Scores and AP Scores (page 177)**

Due to the changes in multiple-choice scoring, the range of scores in Table 4.4 have changed, though the percentages remain the same. Please find the revised range of multiple-choice scores in the table below.

For a given range of multiple-choice scores, this table shows the percentage of students receiving each AP score. If you have calculated the multiple-choice score (**Weighted Section I Score**) by using the formula shown in Table 4.2, you can use this table to figure out the most likely score that the student would receive based only on that multiple-choice score.

Multiple-Choice Score	AP Score					Total
	1	2	3	4	5	
47 to 54	0.0%	0.0%	0.0%	0.0%	100.0%	9.4%
39 to 46	0.0%	0.0%	0.1%	2.4%	97.5%	21.6%
31 to 38	0.0%	0.1%	7.6%	44.3%	48.1%	25.1%
24 to 30	0.5%	5.6%	64.6%	28.0%	1.3%	20.9%
16 to 23	33.0%	37.4%	29.2%	0.4%	0.0%	14.1%
0 to 15	94.3%	4.5%	1.1%	0.1%	0.0%	9.0%
Total	13.2%	6.9%	19.6%	17.5%	42.8%	100.0%

## Table 4.2AB1 – Calculus AB Subscore Scoring Worksheet (page 178)

### Section I: Multiple-Choice

Questions (2, 6, 8, 9, 10, 13, 14, 15, 17, 18, 21, 25, 27, 76, 77, 78, 80, 81, 83, 85-92)

$$\frac{\text{Number Correct}}{\text{(out of 27)}} \times 1.1851 = \frac{\text{Weighted Section I Score}}{\text{(Do not round)}}$$

### Section II: Free Response

Question 1  $\frac{\text{_____}}{\text{(out of 9)}} \times 1.0000 = \frac{\text{_____}}{\text{(Do not round)}}$

Question 2  $\frac{\text{_____}}{\text{(out of 9)}} \times 1.0000 = \frac{\text{_____}}{\text{(Do not round)}}$

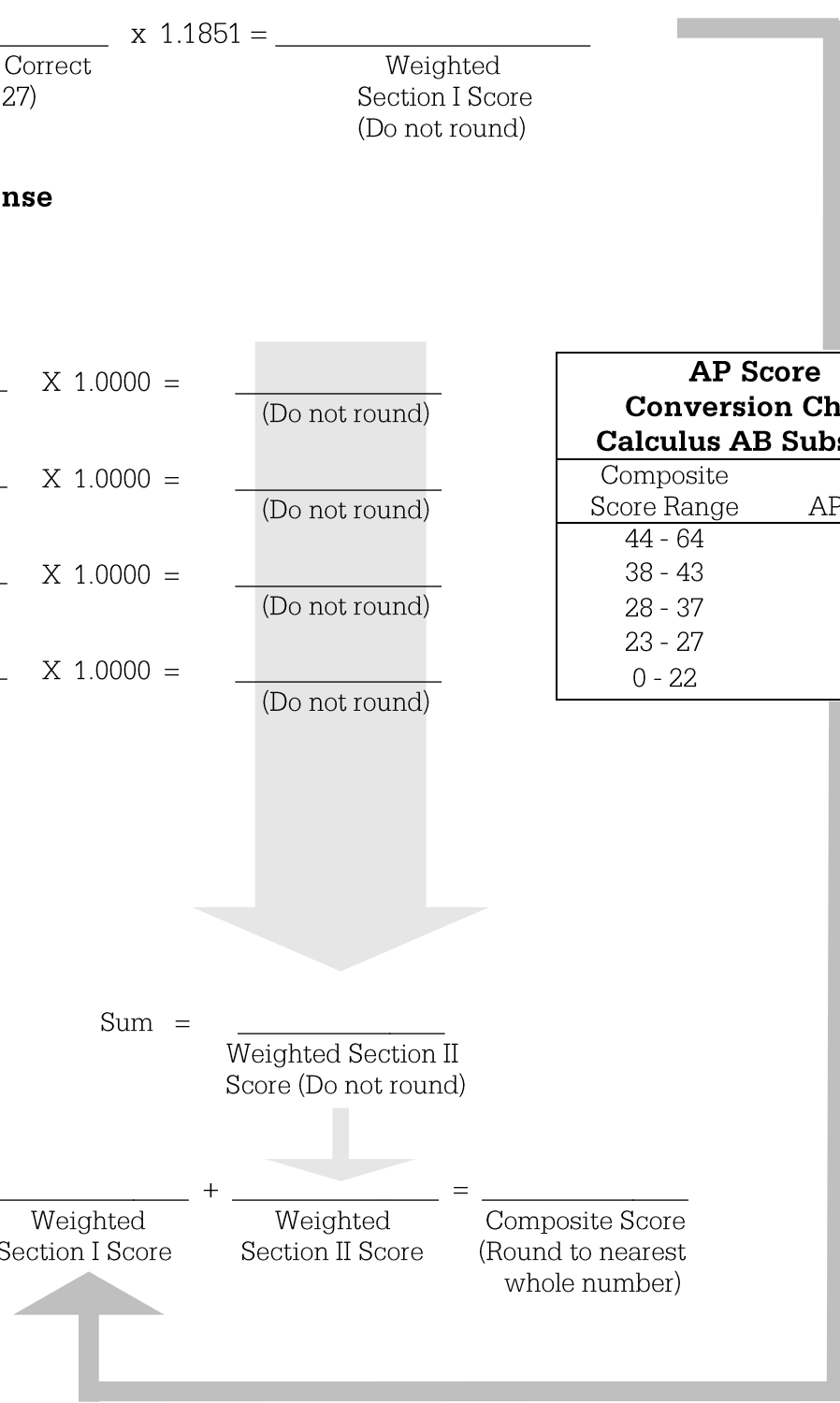
Question 4  $\frac{\text{_____}}{\text{(out of 9)}} \times 1.0000 = \frac{\text{_____}}{\text{(Do not round)}}$

Question 5 (AB Part)  $\frac{\text{_____}}{\text{(out of 5)}} \times 1.0000 = \frac{\text{_____}}{\text{(Do not round)}}$

<b>AP Score Conversion Chart Calculus AB Subscore</b>	
Composite Score Range	AP Score
44 - 64	5
38 - 43	4
28 - 37	3
23 - 27	2
0 - 22	1

Sum =  $\frac{\text{Weighted Section II Score}}{\text{(Do not round)}}$

**Composite Score**  $\frac{\text{Weighted Section I Score}}{\text{_____}} + \frac{\text{Weighted Section II Score}}{\text{_____}} = \frac{\text{Composite Score}}{\text{(Round to nearest whole number)}}$



## **How AP Scores Are Determined (page 180): A Change to How the Score on Section I is Calculated**

The information on how AP scores are determined have remained largely unchanged. The only portion that has changed is step one, described on page 180, which indicates how the score on Section I is calculated. Points are not deducted for incorrect answers in the multiple-choice section. The weighted maximum possible score on Section I is 54 points, and it accounts for 50 percent of the maximum composite score.

NOTE: Please refer to the printed book for a full explanation of how AP scores are determined, including a detailed description of all the steps in the process of calculating the composite score and converting it to an AP score.