

Chapter III: Answers to the 2008 AP Calculus AB and Calculus BC Exams

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Section I: Multiple Choice

On the following pages are the correct answers to the multiple-choice questions for Form Q, the percent of AP students who answered each question correctly by AP grade, and the total percent answering correctly.

Section I Answer Key and Percent Answering Correctly Calculus AB

Item No.	Correct Answer	Percent Correct by Grade					Total Percent Correct
		5	4	3	2	1	
1	B	88	77	68	58	36	65
2	D	96	84	71	57	32	67
3	D	72	48	35	26	14	39
4	B	95	86	74	60	37	70
5	A	74	59	49	40	24	49
6	A	74	55	46	39	30	49
7	B	97	89	76	55	22	67
8	E	86	74	64	52	29	61
9	D	95	82	65	43	16	60
10	C	90	79	69	58	35	66
11	B	98	92	82	69	44	77
12	D	89	79	69	57	33	65
13	A	72	51	36	24	14	40
14	E	50	30	25	23	18	29
15	C	93	82	72	61	41	70
16	D	74	46	30	20	11	37
17	C	86	62	43	31	26	50
18	A	47	23	15	12	11	22
19*	—	—	—	—	—	—	—
20	D	73	50	35	25	19	41
21	A	48	26	17	11	7	22
22	B	80	64	58	55	50	62
23	E	50	26	17	12	7	23
24	B	80	54	33	18	9	40
25	B	55	26	16	14	13	26

Item No.	Correct Answer	Percent Correct by Grade					Total Percent Correct
		5	4	3	2	1	
26	A	53	29	17	12	9	25
27	C	70	52	41	31	20	43
28	A	38	13	6	3	3	14
76	B	98	93	83	65	30	73
77	C	89	73	56	41	24	57
78	B	97	91	80	61	28	71
79	B	81	66	54	44	28	55
80	E	70	52	38	26	14	40
81	E	90	71	55	42	21	56
82	B	96	88	77	61	27	69
83	B	90	76	63	48	27	61
84	C	91	80	64	41	14	58
85	B	76	53	38	28	18	43
86	C	86	71	58	43	18	55
87	D	84	55	35	21	11	42
88	C	96	84	65	45	21	62
89	E	67	40	23	16	10	32
90	A	67	37	20	11	10	30
91	C	92	81	68	52	27	64
92	B	58	45	43	41	36	45

*Although 45 multiple-choice items were administered in Section I, item # 19 was not used in scoring for statistical reasons. Many students who scored well on the exam chose option A or option C, instead of the correct answer E. It is important for teachers to emphasize that when determining the horizontal asymptotes for the graph of $y = f(x)$, students must examine the limit of $f(x)$ as x approaches infinity and the limit of $f(x)$ as x approaches negative infinity.