Answer Key for AP Calculus AB

Practice Exam, Section I

Question 1: A
Question 2: A
Question 3: D
Question 4: B
Question 5: B
Question 6: C
Question 7: A
Question 8: D
Question 9: A
Question 10: B
Question 11: A
Question 12: B
Question 13: C
Question 14: D
Question 15: B
Question 16: A
Question 17: A
Question 18: C
Question 19: B
Question 20: B
Question 21: C
Question 22: D
Question 23: C
Question 24: A
Question 25: A
Question 26: D
Question 27: D
Question 28: C
Question 29: D
Question 30: B
Question 76: B
Question 77: D
Question 78: C
Question 79: C
Question 80: A
Question 81: D
Question 82: C
Question 83: B
Question 84: B
Question 85: C
Question 86: A
Question 87: B
Question 88: C
Question 89: D
Question 90: C

2018 AP Calculus AB
Question Descriptors and Performance Data

Multiple-Choice Questions

Question	Learning Objective	Essential Knowledge	Mathematical Practice for AP Calculus 1	Mathematical Practice for AP Calculus 2	Key	% Correct
1	2.1C	2.1C1	Implementing algebraic/ computational processes	Building notational fluency	A	76
2	3.3B(a)	3.3B1	Implementing algebraic/ computational processes	Building notational fluency	A	65
3	1.1B	1.1B1	Connecting multiple representations	Reasoning with definitions and theorems	D	84
4	3.3B(b)	3.3B2	Implementing algebraic/ computational processes	Building notational fluency	B	79
5	3.2B	3.2B2	Implementing algebraic/ computational processes	Connecting multiple representations	B	81
6	2.1C	2.1C3	Connecting concepts	Implementing algebraic/ computational processes	C	87
7	3.5A	3.5A1	Connecting concepts	Implementing algebraic/ computational processes	A	44
8	2.2A	2.2A3	Connecting concepts	Connecting multiple representations	D	60
9	2.1A	2.1A3	Reasoning with definitions and theorems	Building notational fluency	A	47
10	2.1D	2.1D1	Implementing algebraic/ computational processes	Building notational fluency	B	90
11	3.2C	3.2C3	Implementing algebraic/ computational processes	Connecting concepts	A	37
12	2.1C	2.1C5	Implementing algebraic/ computational processes	Connecting concepts	B	50
13	2.3C	2.3C1	Implementing algebraic/ computational processes	Connecting concepts	C	68
14	2.1C	2.1C4	Implementing algebraic/ computational processes	Connecting concepts	D	63
15	3.2C	3.2C1	Connecting multiple representations	Implementing algebraic/ computational processes	B	45
16	2.2A	2.2A1	Implementing algebraic/ computational processes	Building notational fluency	A	43
17	3.3B(a)	3.3B5	Implementing algebraic/ computational processes	Building notational fluency	A	33
18	2.3B	2.3B2	Connecting concepts	Implementing algebraic/ computational processes	C	56
19	1.1C	1.1C3	Implementing algebraic/ computational processes	Reasoning with definitions and theorems	B	46
20	2.4A	2.4A1	Reasoning with definitions and theorems	Connecting concepts	B	54
21	3.3A	3.3A2	Implementing algebraic/ computational processes	Building notational fluency	C	49
22	2.3F	2.3F1	Connecting multiple representations	Connecting concepts	D	71
23	3.3B(a)	3.3B5	Implementing algebraic/ computational processes	Connecting concepts	C	25
24	1.2A	1.2A3	Implementing algebraic/ computational processes	Reasoning with definitions and theorems	A	56
25	2.3E	2.3E2	Implementing algebraic/ computational processes	Building notational fluency	A	51
26	2.2A	2.2A1	Connecting multiple representations	Reasoning with definitions and theorems	D	22
27	2.3C	2.3C2	Implementing algebraic/ computational processes	Connecting concepts	D	45
28	1.1D	1.1D1	Building notational fluency	Implementing algebraic/computational processes	C	26
29	3.4D	3.4D1	Connecting multiple representations	Connecting concepts	D	34
30	3.5A	3.5A2	Reasoning with definitions and theorems	Implementing algebraic/ computational processes	B	46

2018 AP Calculus AB
Question Descriptors and Performance Data

Question	Learning Objective	Essential Knowledge	Mathematical Practice for AP Calculus 1	Mathematical Practice for AP Calculus 2	Key	% Correct
76	2.2A	2.2A3	Connecting multiple representations	Connecting concepts	B	81
77	2.3A	2.3A2	Connecting concepts	Building notational fluency	D	69
78	3.4C	3.4C1	Implementing algebraic/ computational processes	Connecting concepts	C	66
79	2.2B	2.2B1	Connecting multiple representations	Connecting concepts	C	80
80	2.2A	2.2A1	Connecting concepts	Implementing algebraic/ computational processes	A	57
81	3.4E	3.4E1	Implementing algebraic/ computational processes	Connecting concepts	D	78
82	1.2B	1.2B1	Reasoning with definitions and theorems	Building notational fluency	C	68
83	2.3C	2.3C1	Connecting concepts	Implementing algebraic/ computational processes	B	56
84	3.4B	3.4B1	Connecting concepts	Implementing algebraic/ computational processes	B	71
85	1.1B	1.1B1	Connecting multiple representations	Implementing algebraic/ computational processes	C	60
86	3.4D	3.4D2	Implementing algebraic/ computational processes	Connecting multiple representations	A	43
87	3.2C	3.2C2	Reasoning with definitions and theorems	Connecting concepts	B	79
88	2.3B	2.3B1	Connecting concepts	Reasoning with definitions and theorems	C	41
89	2.3D	2.3D1	Implementing algebraic/ computational processes	Connecting concepts	D	68
90	2.1C	2.1C6	Connecting concepts	Connecting multiple representations	C	36