

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
1 BOOKLET	IDBOOK	BOOKLET ID	0	NO BOOKLET WAS ASSIGNED	1- 2/C 2.0
			1	BOOKLET 1	
			2	BOOKLET 2	
			3	BOOKLET 3	
			4	BOOKLET 4	
			5	BOOKLET 5	
			6	BOOKLET 6	
			7	BOOKLET 7	
			8	BOOKLET 8	
			99	omitted	
			98	not admin.	
				VLD: IDBOOK\$'0#1#2#3#4#5#6#7#8#99#98'	
				Flags: SCR: 1 / CAR:F / CAT:ID / DEF:	
				COMMENT:	
2 SCORER R	IDSCORR	RELIABILITY SCORER ID	VALUE	IDSCORR ID	3- 5/N 3.0
			999	omitted	
			998	not admin.	
				VLD: .T.	
				Flags: SCR: 2 / CAR:T / CAT:ID / DEF:	
				COMMENT:	
3 PUNCHER	IDPUNCH	PUNCHER ID	VALUE	IDPUNCH ID	6- 8/N 3.0
			999	omitted	
			998	not admin.	
				VLD: .T.	
				Flags: SCR: 3 / CAR:T / CAT:ID / DEF:	
				COMMENT:	
4 COUNTRY	IDCNTRY	COUNTRY ID	VALUE	IDCNTRY ID	9- 13/N 5.0
			99999	omitted	
			99998	not admin.	
				VLD: .T.	
				Flags: SCR: 4 / CAR:T / CAT:ID / DEF:	
				COMMENT:	
5 SCHOOL	IDSCHOOL	SCHOOL ID	VALUE	IDSCHOOL ID	14- 17/N 4.0
			9999	omitted	
			9998	not admin.	
				VLD: (IDSCHOOL>=1.AND.IDSCHOOL<=9996).OR.IDSCHOOL=9999.	
				OR.IDSCHOOL=9998	
				Flags: SCR: 5 / CAR:T / CAT:ID / DEF:	
				COMMENT:	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
6 CLASS	IDCLASS	CLASS ID	VALUE 999999 999998	IDCLASS ID omitted not admin. VLD: (IDCLASS>=101.AND.IDCLASS<=999996).OR.IDCLASS=999999.OR.IDCLASS=999998 Flags: SCR: 6 / CAR:T / CAT:ID / DEF:	18- 23/N 6.0
COMMENT:					
7 STUD	IDSTUD	STUDENT ID	VALUE 9999999 9999999	IDSTUD ID omitted not admin. VLD: (IDSTUD>=10101.AND.IDSTUD<=99999996).OR.IDSTUD=99999999.OR.IDSTUD=99999998 Flags: SCR: 7 / CAR:F / CAT:ID / DEF:	24- 31/N 8.0
COMMENT:					
8 M03_05A	MR13025A	FUNCTION/WHERE NOT CONTINUOUS (1)	10 79 99 98 96	CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: MR13025A\$'10#79#99#98#96' Flags: SCR: 8 / CAR:F / CAT:SA / DEF: 97	32- 33/C 2.0
COMMENT: Calculus/ Knowing (T) (J_15)					
9 M03_05A	MI13025A	FUNCTION/WHERE NOT CONTINUOUS (1)	0 1 2 8 6	identical codes identical score, but different reasoning different score not administered not reached VLD: MI13025A\$'0#1#2#8#6' Flags: SCR: 9 / CAR:F / CAT:IDX / DEF: 7	34 /C 1.0
COMMENT: Calculus/ Knowing (T) (J_15)					
10 M03_05A	MA13025A	FUNCTION/WHERE NOT CONTINUOUS (1)	10 79 99 98 96	CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: MA13025A\$'10#79#99#98#96' Flags: SCR: 10 / CAR:F / CAT:SA / DEF: 97	35- 36/C 2.0
COMMENT: Calculus/ Knowing (T) (J_15)					

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
11 M03_05B	MR13025B	FUNCTION/WHERE NOT DIFFERENTIABLE (1)	10	CORRECT RESPONSE	37- 38/C 2.0
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			72	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MR13025B\$'10#70#71#72#79#99#98#96'	
				Flags: SCR: 11 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Calculus/ Knowing (T) (J_15)	
12 M03_05B	MI13025B	FUNCTION/WHERE NOT DIFFERENTIABLE (1)	0	identical codes	39 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: MI13025B\$'0#1#2#8#6'	
				Flags: SCR: 12 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Calculus/ Knowing (T) (J_15)	
13 M03_05B	MA13025B	FUNCTION/WHERE NOT DIFFERENTIABLE (1)	10	CORRECT RESPONSE	40- 41/C 2.0
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			72	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MA13025B\$'10#70#71#72#79#99#98#96'	
				Flags: SCR: 13 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Calculus/ Knowing (T) (J_15)	
14 M03_06A	MR13026A	TRIANGLE ABC/REFLECTION (1)	10	CORRECT RESPONSE	42- 43/C 2.0
			11	CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MR13026A\$'10#11#70#79#99#98#96'	
				Flags: SCR: 14 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Geometry/ Applying (T) (J_16)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
15 M03_06A	MI13026A	TRIANGLE ABC/REFLECTION (1)	0	identical codes	44 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: MI13026A\$'0#1#2#8#6'	
				Flags: SCR: 15 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Geometry/ Applying (T) (J_16)	
16 M03_06A	MA13026A	TRIANGLE ABC/REFLECTION (1)	10	CORRECT RESPONSE	45- 46/C 2.0
			11	CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MA13026A\$'10#11#70#79#99#98#96'	
				Flags: SCR: 16 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Geometry/ Applying (T) (J_16)	
17 M03_06B	MR13026B	TRIANGLE ABC/ROTATION (1)	10	CORRECT RESPONSE	47- 48/C 2.0
			11	CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MR13026B\$'10#11#70#71#79#99#98#96'	
				Flags: SCR: 17 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Geometry/ Applying (T) (J_16)	
18 M03_06B	MI13026B	TRIANGLE ABC/ROTATION (1)	0	identical codes	49 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: MI13026B\$'0#1#2#8#6'	
				Flags: SCR: 18 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Geometry/ Applying (T) (J_16)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
19 M03_06B	MA13026B	TRIANGLE ABC/ROTATION (1)	10	CORRECT RESPONSE	50- 51/C 2.0
			11	CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MA13026B\$'10#11#70#71#79#99#98#96'	
				Flags: SCR: 19 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Geometry/ Applying (T) (J_16)	
20 M03_07	MR13027	LIMIT OF THE PERIMETER OF POLYGON (2)	20	CORR.RESPONSE	52- 53/C 2.0
			10	PART.CORR.RESPONSE	
			11	PART. CORR.RESPONSE	
			70	INCORR.RESPONSE	
			71	INCORR.RESPONSE	
			79	INCORR.RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MR13027\$'20#10#11#70#71#79#99#98#96'	
				Flags: SCR: 20 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Algebra/ Reasoning (T) (J_17)	
21 M03_07	MI13027	LIMIT OF THE PERIMETER OF POLYGON (2)	0	identical codes	54 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: MI13027\$'0#1#2#8#6'	
				Flags: SCR: 21 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Algebra/ Reasoning (T) (J_17)	
22 M03_07	MA13027	LIMIT OF THE PERIMETER OF POLYGON (2)	20	CORR.RESPONSE	55- 56/C 2.0
			10	PART.CORR.RESPONSE	
			11	PART. CORR.RESPONSE	
			70	INCORR.RESPONSE	
			71	INCORR.RESPONSE	
			79	INCORR.RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MA13027\$'20#10#11#70#71#79#99#98#96'	
				Flags: SCR: 22 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Algebra/ Reasoning (T) (J_17)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
23 M03_08	MR13028	STEPS FOR MATHEMATICAL INDUCTION (2)	20 10 11 12 79 99 98 96	CORRECT RESPONSE PART.CORRECT RESPONSE PART.CORRECT RESPONSE PARTIALLY CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: MR13028\$'20#10#11#12#79#99#98#96' Flags: SCR: 23 / CAR:F / CAT:SA / DEF: 97 COMMENT: Algebra/ Knowing (T) (J_18)	57- 58/C 2.0
24 M03_08	MI13028	STEPS FOR MATHEMATICAL INDUCTION (2)	0 1 2 8 6	identical codes identical score, but different reasoning different score not administered not reached VLD: MI13028\$'0#1#2#8#6' Flags: SCR: 24 / CAR:F / CAT:IDX / DEF: 7 COMMENT: Algebra/ Knowing (T) (J_18)	59 /C 1.0
25 M03_08	MA13028	STEPS FOR MATHEMATICAL INDUCTION (2)	20 10 11 12 79 99 98 96	CORRECT RESPONSE PART.CORRECT RESPONSE PART.CORRECT RESPONSE PARTIALLY CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: MA13028\$'20#10#11#12#79#99#98#96' Flags: SCR: 25 / CAR:F / CAT:SA / DEF: 97 COMMENT: Algebra/ Knowing (T) (J_18)	60- 61/C 2.0
26 M03_09	MR13029	PROVE E IS MIDPOINT OF QUADRILATERAL (2)	20 10 79 99 98 96	CORRECT RESPONSE PARTIALLY CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: MR13029\$'20#10#79#99#98#96' Flags: SCR: 26 / CAR:F / CAT:SA / DEF: 97 COMMENT: Geometry/ Reasoning (T) (J_19)	62- 63/C 2.0

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
27 M03_09	MI13029	PROVE E IS MIDPOINT OF QUADRILATERAL (2)	0	identical codes	64 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: MI13029\$'0#1#2#8#6'	
				Flags: SCR: 27 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Geometry/ Reasoning (T) (J_19)	
28 M03_09	MA13029	PROVE E IS MIDPOINT OF QUADRILATERAL (2)	20	CORRECT RESPONSE	65- 66/C 2.0
			10	PARTIALLY CORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MA13029\$'20#10#79#99#98#96'	
				Flags: SCR: 28 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Geometry/ Reasoning (T) (J_19)	
29 M04_02	MR23145	HOW MANY 3 DIGIT NUMBERS FORMED (1)	10	CORRECT RESPONSE	67- 68/C 2.0
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MR23145\$'10#70#79#99#98#96'	
				Flags: SCR: 29 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Algebra/Knowing (M09_02)	
30 M04_02	MI23145	HOW MANY 3 DIGIT NUMBERS FORMED (1)	0	identical codes	69 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: MI23145\$'0#1#2#8#6'	
				Flags: SCR: 30 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Algebra/Knowing (M09_02)	
31 M04_02	MA23145	HOW MANY 3 DIGIT NUMBERS FORMED (1)	10	CORRECT RESPONSE	70- 71/C 2.0
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MA23145\$'10#70#79#99#98#96'	
				Flags: SCR: 31 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Algebra/Knowing (M09_02)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
32 M04_03	MR23187	NEW DIAMETER OF SOUP CAN (2)	20	CORRECT RESPONSE	72- 73/C 2.0
			21	CORRECT RESPONSE	
			10	PART.CORRECT RESPONSE	
			11	PART.CORRECT RESPONSE	
			12	PART.CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MR23187\$'20#21#10#11#12#70#79#99#98#96'	
				Flags: SCR: 32 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Algebra/Applying (M04_02)	
33 M04_03	MI23187	NEW DIAMETER OF SOUP CAN (2)	0	identical codes	74 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: MI23187\$'0#1#2#8#6'	
				Flags: SCR: 33 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Algebra/Applying (M04_02)	
34 M04_03	MA23187	NEW DIAMETER OF SOUP CAN (2)	20	CORRECT RESPONSE	75- 76/C 2.0
			21	CORRECT RESPONSE	
			10	PART.CORRECT RESPONSE	
			11	PART.CORRECT RESPONSE	
			12	PART.CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MA23187\$'20#21#10#11#12#70#79#99#98#96'	
				Flags: SCR: 34 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Algebra/Applying (M04_02)	
35 M04_04	MR23201	WHAT IS THE ERROR CARL MADE (1)	10	CORRECT RESPONSE	77- 78/C 2.0
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MR23201\$'10#79#99#98#96'	
				Flags: SCR: 35 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Algebra/Reasoning (M04_03)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
36 M04_04	MI23201	WHAT IS THE ERROR CARL MADE (1)	0 1 2 8 6	identical codes identical score, but different reasoning different score not administered not reached VLD: MI23201\$'0#1#2#8#6' Flags: SCR: 36 / CAR:F / CAT:IDX / DEF: 7 COMMENT: Algebra/Reasoning (M04_03)	79 /C 1.0
37 M04_04	MA23201	WHAT IS THE ERROR CARL MADE (1)	10 79 99 98 96	CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: MA23201\$'10#79#99#98#96' Flags: SCR: 37 / CAR:F / CAT:SA / DEF: 97 COMMENT: Algebra/Reasoning (M04_03)	80- 81/C 2.0
38 M04_05	MR23154	SECOND DERIVATIVE OF FUNCTION GIVEN (2)	20 10 79 99 98 96	CORRECT RESPONSE PARTIALLY CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: MR23154\$'20#10#79#99#98#96' Flags: SCR: 38 / CAR:F / CAT:SA / DEF: 97 COMMENT: Calculus/Knowing (M04_04)	82- 83/C 2.0
39 M04_05	MI23154	SECOND DERIVATIVE OF FUNCTION GIVEN (2)	0 1 2 8 6	identical codes identical score, but different reasoning different score not administered not reached VLD: MI23154\$'0#1#2#8#6' Flags: SCR: 39 / CAR:F / CAT:IDX / DEF: 7 COMMENT: Calculus/Knowing (M04_04)	84 /C 1.0
40 M04_05	MA23154	SECOND DERIVATIVE OF FUNCTION GIVEN (2)	20 10 79 99 98 96	CORRECT RESPONSE PARTIALLY CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: MA23154\$'20#10#79#99#98#96' Flags: SCR: 40 / CAR:F / CAT:SA / DEF: 97 COMMENT: Calculus/Knowing (M04_04)	85- 86/C 2.0

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
41 M04_07	MR23166	UNITS OF COMMODITY TO MAX PROFIT (2)	20	CORR.RESPONSE	87- 88/C 2.0
			21	CORR.RESPONSE	
			10	PART.CORR.RESPONSE	
			11	PART.CORRECT RESPONSE	
			70	INCORR.RESPONSE	
			79	INCORR.RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MR23166\$'20#21#10#11#70#79#99#98#96'	
				Flags: SCR: 41 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Calculus/Reasoning (M02_09)	
42 M04_07	MI23166	UNITS OF COMMODITY TO MAX PROFIT (2)	0	identical codes	89 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: MI23166\$'0#1#2#8#6'	
				Flags: SCR: 42 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Calculus/Reasoning (M02_09)	
43 M04_07	MA23166	UNITS OF COMMODITY TO MAX PROFIT (2)	20	CORR.RESPONSE	90- 91/C 2.0
			21	CORR.RESPONSE	
			10	PART.CORR.RESPONSE	
			11	PART.CORRECT RESPONSE	
			70	INCORR.RESPONSE	
			79	INCORR.RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MA23166\$'20#21#10#11#70#79#99#98#96'	
				Flags: SCR: 43 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Calculus/Reasoning (M02_09)	
44 M04_08	MR23043	AREA ENCLOSED BY GRAPHS OF FUNCTIONS (2)	20	CORR.RESP	92- 93/C 2.0
			21	CORR.RESP	
			10	PART.CORR.RESP	
			11	PART.CORR.RESP	
			12	PART.CORR.RESP	
			70	INCORR.RESP	
			79	INCORR.RESP	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MR23043\$'20#21#10#11#12#70#79#99#98#96'	
				Flags: SCR: 44 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Calculus/Applying (M04_07)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
45 M04_08	MI23043	AREA ENCLOSED BY GRAPHS OF FUNCTIONS (2)	0	identical codes	94 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: MI23043\$'0#1#2#8#6'	
				Flags: SCR: 45 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Calculus/Applying (M04_07)	
46 M04_08	MA23043	AREA ENCLOSED BY GRAPHS OF FUNCTIONS (2)	20	CORR.RESP	95- 96/C 2.0
			21	CORR.RESP	
			10	PART.CORR.RESP	
			11	PART.CORR.RESP	
			12	PART.CORR.RESP	
			70	INCORR.RESP	
			79	INCORR.RESP	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MA23043\$'20#21#10#11#12#70#79#99#98#96'	
				Flags: SCR: 46 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Calculus/Applying (M04_07)	
47 M05_03	MR23054	WHAT IS THE VALUE OF X IN EQUATION (2)	20	CORR.RESPONSE	97- 98/C 2.0
			21	CORRECT RESPONSE	
			10	PART.CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MR23054\$'20#21#10#70#71#79#99#98#96'	
				Flags: SCR: 47 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Algebra/Applying (M05_02)	
48 M05_03	MI23054	WHAT IS THE VALUE OF X IN EQUATION (2)	0	identical codes	99 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: MI23054\$'0#1#2#8#6'	
				Flags: SCR: 48 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Algebra/Applying (M05_02)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
49 M05_03	MA23054	WHAT IS THE VALUE OF X IN EQUATION (2)	20 21 10 70 71 79 99 98 96	CORR.RESPONSE CORRECT RESPONSE PART.CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: MA23054\$'20#21#10#70#71#79#99#98#96' Flags: SCR: 49 / CAR:F / CAT:SA / DEF: 97 COMMENT: Algebra/Applying (M05_02)	100- 101/C 2.0
50 M05_05A	MR23131A	LENGTH OF STRAIGHT LINE AB IN METERS (1)	10 70 79 99 98 96	CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: MR23131A\$'10#70#79#99#98#96' Flags: SCR: 50 / CAR:F / CAT:SA / DEF: 97 COMMENT: Algebra/Applying (M05_06)	102- 103/C 2.0
51 M05_05A	MI23131A	LENGTH OF STRAIGHT LINE AB IN METERS (1)	0 1 2 8 6	identical codes identical score, but different reasoning different score not administered not reached VLD: MI23131A\$'0#1#2#8#6' Flags: SCR: 51 / CAR:F / CAT:IDX / DEF: 7 COMMENT: Algebra/Applying (M05_06)	104 /C 1.0
52 M05_05A	MA23131A	LENGTH OF STRAIGHT LINE AB IN METERS (1)	10 70 79 99 98 96	CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: MA23131A\$'10#70#79#99#98#96' Flags: SCR: 52 / CAR:F / CAT:SA / DEF: 97 COMMENT: Algebra/Applying (M05_06)	105- 106/C 2.0

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
53 M05_05B	MR23131B	COST TO PAINT THE DECK (1)	10	CORRECT RESPONSE	107- 108/C 2.0
			11	CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MR23131B\$'10#11#70#79#99#98#96'	
				Flags: SCR: 53 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Calculus/Applying (M05_06)	
54 M05_05B	MI23131B	COST TO PAINT THE DECK (1)	0	identical codes	109 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: MI23131B\$'0#1#2#8#6'	
				Flags: SCR: 54 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Calculus/Applying (M05_06)	
55 M05_05B	MA23131B	COST TO PAINT THE DECK (1)	10	CORRECT RESPONSE	110- 111/C 2.0
			11	CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MA23131B\$'10#11#70#79#99#98#96'	
				Flags: SCR: 55 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Calculus/Applying (M05_06)	
56 M05_06	MR23157	FIND POINT OF MAXIMA AND INFLECTION (2)	20	CORRECT RESPONSE	112- 113/C 2.0
			10	PARTIALLY CORRECT RESPONSE	
			11	PARTIALLY CORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MR23157\$'20#10#11#79#99#98#96'	
				Flags: SCR: 56 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Calculus/Reasoning (M05_05)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
57 M05_06	MI23157	FIND POINT OF MAXIMA AND INFLECTION (2)	0	identical codes	114 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: MI23157\$'0#1#2#8#6'	
				Flags: SCR: 57 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Calculus/Reasoning (M05_05)	
58 M05_06	MA23157	FIND POINT OF MAXIMA AND INFLECTION (2)	20	CORRECT RESPONSE	115- 116/C 2.0
			10	PARTIALLY CORRECT RESPONSE	
			11	PARTIALLY CORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MA23157\$'20#10#11#79#99#98#96'	
				Flags: SCR: 58 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Calculus/Reasoning (M05_05)	
59 M05_10	MR23094	FIND LENGTH OF BC IN TRIANGLE ABC (2)	20	CORR RESP	117- 118/C 2.0
			21	CORR RESP	
			22	CORR RESP	
			10	PART CORR RESP	
			11	PART CORR RESP	
			12	PART CORR RESP	
			70	INCORR RESP	
			79	INCORR RESP	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MR23094\$'20#21#22#10#11#12#70#79#99#98#96'	
				Flags: SCR: 59 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Geometry/Applying (M05_09)	
60 M05_10	MI23094	FIND LENGTH OF BC IN TRIANGLE ABC (2)	0	identical codes	119 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: MI23094\$'0#1#2#8#6'	
				Flags: SCR: 60 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Geometry/Applying (M05_09)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
61 M05_10	MA23094	FIND LENGTH OF BC IN TRIANGLE ABC (2)	20 21 22 10 11 12 70 79 99 98 96	CORR RESP CORR RESP CORR RESP PART CORR RESP PART CORR RESP PART CORR RESP INCORR RESP INCORR RESP omitted not admin. not reached VLD: MA23094\$'20#21#22#10#11#12#70#79#99#98#96' Flags: SCR: 61 / CAR:F / CAT:SA / DEF: 97 COMMENT: Geometry/Applying (M05_09)	120- 121/C 2.0
62 M06_02	MR23135	VALUES OF X TO SATISFY INEQUALITY (1)	10 79 99 98 96	CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: MR23135\$'10#79#99#98#96' Flags: SCR: 62 / CAR:F / CAT:SA / DEF: 97 COMMENT: Algebra/Applying (M06_03)	122- 123/C 2.0
63 M06_02	MI23135	VALUES OF X TO SATISFY INEQUALITY (1)	0 1 2 8 6	identical codes identical score, but different reasoning different score not administered not reached VLD: MI23135\$'0#1#2#8#6' Flags: SCR: 63 / CAR:F / CAT:IDX / DEF: 7 COMMENT: Algebra/Applying (M06_03)	124 /C 1.0
64 M06_02	MA23135	VALUES OF X TO SATISFY INEQUALITY (1)	10 79 99 98 96	CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: MA23135\$'10#79#99#98#96' Flags: SCR: 64 / CAR:F / CAT:SA / DEF: 97 COMMENT: Algebra/Applying (M06_03)	125- 126/C 2.0

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
65 M06_04	MR23165	LIMIT OF THE GIVEN ESPRESSION (1)	10 11 12 70 71 79 99 98 96	CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: MR23165\$'10#11#12#70#71#79#99#98#96' Flags: SCR: 65 / CAR:F / CAT:SA / DEF: 97 COMMENT: Calculus/Applying (M06_10)	127- 128/C 2.0
66 M06_04	MI23165	LIMIT OF THE GIVEN ESPRESSION (1)	0 1 2 8 6	identical codes identical score, but different reasoning different score not administered not reached VLD: MI23165\$'0#1#2#8#6' Flags: SCR: 66 / CAR:F / CAT:IDX / DEF: 7 COMMENT: Calculus/Applying (M06_10)	129 /C 1.0
67 M06_04	MA23165	LIMIT OF THE GIVEN ESPRESSION (1)	10 11 12 70 71 79 99 98 96	CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: MA23165\$'10#11#12#70#71#79#99#98#96' Flags: SCR: 67 / CAR:F / CAT:SA / DEF: 97 COMMENT: Calculus/Applying (M06_10)	130- 131/C 2.0
68 M06_06	MR23159	DERIVATIVE OF THE GIVEN EXPRESSION (1)	10 11 70 71 72 73 79 99 98 96	CORRECT RESPONSE CORR.RESPONSE INCORR.RESPONSE INCORR.RESPONSE INCORR.RESPONSE INCORR.RESPONSE INCORR.RESPONSE omitted not admin. not reached VLD: MR23159\$'10#11#70#71#72#73#79#99#98#96' Flags: SCR: 68 / CAR:F / CAT:SA / DEF: 97 COMMENT: Calculus/Knowing (M06_05)	132- 133/C 2.0

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
69 M06_06	MI23159	DERIVATIVE OF THE GIVEN EXPRESSION (1)	0	identical codes	134 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: MI23159\$'0#1#2#8#6'	
				Flags: SCR: 69 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Calculus/Knowing (M06_05)	
70 M06_06	MA23159	DERIVATIVE OF THE GIVEN EXPRESSION (1)	10	CORRECT RESPONSE	135- 136/C 2.0
			11	CORR.RESPONSE	
			70	INCORR.RESPONSE	
			71	INCORR.RESPONSE	
			72	INCORR.RESPONSE	
			73	INCORR.RESPONSE	
			79	INCORR.RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MA23159\$'10#11#70#71#72#73#79#99#98#96'	
				Flags: SCR: 70 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Calculus/Knowing (M06_05)	
71 M06_07	MR23198	WHY SLOPE AT POINTS A AND B ARE SAME (1)	10	CORRECT RESPONSE	137- 138/C 2.0
			11	CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MR23198\$'10#11#70#71#79#99#98#96'	
				Flags: SCR: 71 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Calculus/Reasoning (M06_04)	
72 M06_07	MI23198	WHY SLOPE AT POINTS A AND B ARE SAME (1)	0	identical codes	139 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: MI23198\$'0#1#2#8#6'	
				Flags: SCR: 72 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Calculus/Reasoning (M06_04)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
73 M06_07	MA23198	WHY SLOPE AT POINTS A AND B ARE SAME (1)	10	CORRECT RESPONSE	140- 141/C 2.0
			11	CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MA23198\$'10#11#70#71#79#99#98#96'	
				Flags: SCR: 73 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Calculus/Reasoning (M06_04)	
74 M07_03	MR23141	FIND VALUES OF A B AND C IN EQUATION (1)	10	CORR RESP	142- 143/C 2.0
			11	CORR RESP	
			12	CORR RESP	
			13	CORR RESP	
			19	CORR RESP	
			70	INCORR RESP	
			71	INCORR RESP	
			72	INCORR RESP	
			79	INCORR RESP	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MR23141\$'10#11#12#13#19#70#71#72#79#99#98#96'	
				Flags: SCR: 74 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Algebra/Knowing (M07_06)	
75 M07_03	MI23141	FIND VALUES OF A B AND C IN EQUATION (1)	0	identical codes	144 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: MI23141\$'0#1#2#8#6'	
				Flags: SCR: 75 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Algebra/Knowing (M07_06)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
76 M07_03	MA23141	FIND VALUES OF A B AND C IN EQUATION (1)	10 11 12 13 19 70 71 72 79 99 98 96	CORR RESP CORR RESP CORR RESP CORR RESP CORR RESP INCORR RESP INCORR RESP INCORR RESP INCORR RESP omitted not admin. not reached VLD: MA23141\$'10#11#12#13#19#70#71#72#79#99#98#96' Flags: SCR: 76 / CAR:F / CAT:SA / DEF: 97 COMMENT: Algebra/Knowing (M07_06)	145- 146/C 2.0
77 M07_07A	MR23035A	VALUES OF POINTS OF INTERSECTION (1)	10 70 79 99 98 96	CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: MR23035A\$'10#70#79#99#98#96' Flags: SCR: 77 / CAR:F / CAT:SA / DEF: 97 COMMENT: Calculus/Applying (M07_07)	147- 148/C 2.0
78 M07_07A	MI23035A	VALUES OF POINTS OF INTERSECTION (1)	0 1 2 8 6	identical codes identical score, but different reasoning different score not administered not reached VLD: MI23035A\$'0#1#2#8#6' Flags: SCR: 78 / CAR:F / CAT:IDX / DEF: 7 COMMENT: Calculus/Applying (M07_07)	149 /C 1.0
79 M07_07A	MA23035A	VALUES OF POINTS OF INTERSECTION (1)	10 70 79 99 98 96	CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: MA23035A\$'10#70#79#99#98#96' Flags: SCR: 79 / CAR:F / CAT:SA / DEF: 97 COMMENT: Calculus/Applying (M07_07)	150- 151/C 2.0

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
80 M07_07B	MR23035B	MAX AND MIN POINTS OF GRAPH (1)	10	CORRECT RESPONSE	152- 153/C 2.0
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MR23035B\$'10#70#71#79#99#98#96'	
				Flags: SCR: 80 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Calculus/Applying (M07_07)	
81 M07_07B	MI23035B	MAX AND MIN POINTS OF GRAPH (1)	0	identical codes	154 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: MI23035B\$'0#1#2#8#6'	
				Flags: SCR: 81 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Calculus/Applying (M07_07)	
82 M07_07B	MA23035B	MAX AND MIN POINTS OF GRAPH (1)	10	CORRECT RESPONSE	155- 156/C 2.0
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MA23035B\$'10#70#71#79#99#98#96'	
				Flags: SCR: 82 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Calculus/Applying (M07_07)	
83 M07_11	MR23170	IS LINE L PARALLEL WITH PQ (1)	10	CORRECT RESPONSE	157- 158/C 2.0
			11	CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MR23170\$'10#11#70#71#79#99#98#96'	
				Flags: SCR: 83 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Geometry/Applying (M01_10)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
84 M07_11	MI23170	IS LINE L PARALLEL WITH PQ (1)	0	identical codes	159 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: MI23170\$'0#1#2#8#6'	
				Flags: SCR: 84 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Geometry/Applying (M01_10)	
85 M07_11	MA23170	IS LINE L PARALLEL WITH PQ (1)	10	CORRECT RESPONSE	160- 161/C 2.0
			11	CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: MA23170\$'10#11#70#71#79#99#98#96'	
				Flags: SCR: 85 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Geometry/Applying (M01_10)	
86 SYSTEM	SSYSTEM	RECORD NUMBER STUDENT GENERAL FILE	VALUE	SSYSTEM PROC	162- 167/N 6.0
			999999	omitted	
			999998	not admin.	
				VLD: .T.	
				Flags: SCR: 86 / CAR:F / CAT:PROC / DEF:	
				COMMENT:	
87 POPULATION	IDPOP	POPULATION ID	1	TIMSS Pop 1	168 /C 1.0
			2	TIMSS Pop 2	
			3	TIMSS Pop 3	
			9	omitted	
			8	not admin.	
				VLD: IDPOP\$'1#2#3#9#8'	
				Flags: SCR: 87 / CAR:F / CAT:ID / DEF:	
				COMMENT:	
88 GRADE	IDGRADE	GRADE ID	10	GRADE 10	169- 170/C 2.0
			11	GRADE 11	
			12	GRADE 12	
			13	GRADE 13	
			14	GRADE 14	
			99	omitted	
			98	not admin.	
				VLD: IDGRADE\$'10#11#12#13#14#99#98'	
				Flags: SCR: 88 / CAR:T / CAT:ID / DEF:	
				COMMENT:	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
89	GRADE	IDGRADER STANDARDIZED GRADE ID	1 2 9 8	lower grade upper grade omitted not admin. VLD: IDGRADER\$'1#2#9#8' Flags: SCR: 89 / CAR:F / CAT:ID / DEF:	171 /C 1.0
COMMENT:					
90	DATE	DPCDATE FILE CREATION DATE AT DPC HAMBURG	VALUE 9999999 9999999	DPCDATE PROC omitted not admin. VLD: .T. Flags: SCR: 90 / CAR:F / CAT:PROC / DEF:	172- 179/N 8.0
COMMENT:					