

APPENDIX B

IRT ITEM PARAMETERS FOR MCAS 2005–2006 TESTS

Appendix B

All of the tables in Appendix B use the following abbreviations in column headings:

- Item** = the internal reference number for each item
Type = the type of item
MC = multiple-choice
OR = open-response
SA = short-answer
E-CON = Standard English Conventions (ELA Composition)
E-DEV = Topic Development (ELA Composition)
A = discrimination **C** = pseudo-guessing parameter
B = difficulty **D** = step parameters

For additional information about IRT item parameters, refer to section 4.3 of this document.

Table B1: MCAS 2006 Reading, Grade 3

Item	Type	A	B	C	D1	D2	D3	D4
213851	MC	1.062	-0.997	0.054				
213857	MC	1.124	-0.387	0.173				
213859	MC	0.734	-1.032	0.026				
213861	MC	1.107	-0.858	0.195				
213864	MC	0.653	-0.694	0.145				
213874	MC	0.868	-0.804	0.236				
213876	MC	0.951	-1.130	0.109				
213879	MC	0.747	-0.782	0.119				
213888	MC	0.855	-1.541	0.401				
213895	MC	0.967	0.046	0.152				
213904	MC	1.000	-1.947	0.102				
213906	MC	0.684	-0.787	0.093				
213920	MC	0.620	-1.983	0.083				
213928	MC	1.226	-2.207	0.064				
213931	MC	0.380	-1.287	0.068				
213935	MC	0.952	-0.856	0.119				
213936	MC	1.176	-0.817	0.188				
213945	MC	0.875	-1.006	0.154				
213946	MC	1.040	-1.369	0.147				
214013	MC	1.507	-0.982	0.253				
214044	MC	1.075	-1.998	0.035				
214045	MC	1.135	-2.398	0.035				
214046	MC	0.814	-1.107	0.151				
214054	MC	0.958	-2.995	0.000				
214056	MC	1.061	-1.299	0.136				
214057	MC	0.641	-1.244	0.056				
238775	MC	0.677	-1.670	0.088				
238777	MC	0.522	-1.595	0.041				
238783	MC	0.914	-1.763	0.139				
238793	MC	0.500	-2.060	0.000				
242393	MC	0.717	-1.494	0.205				
242394	MC	0.397	0.482	0.296				
242396	MC	0.472	-1.168	0.063				
242397	MC	0.582	-2.185	0.000				
242398	MC	0.586	-2.407	0.000				
242400	MC	0.661	-1.347	0.046				
242405	MC	0.961	-1.200	0.072				
242409	MC	1.324	-1.555	0.166				
242411	MC	0.670	-1.678	0.000				
246600	MC	0.714	-1.692	0.034				
242403	OR	0.796	-0.622		2.333	0.702	-0.758	-2.277
213885	OR	0.734	-0.420		2.495	0.800	-0.816	-2.479

Appendix B

Table B2: MCAS 2006 English Language Arts, Grade 4

Item	Type	A	B	C	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10
225981	MC	0.983	-0.990	0.116										
225984	MC	1.051	-1.121	0.150										
225985	MC	0.724	-1.006	0.267										
226003	MC	0.562	-1.509	0.045										
226005	MC	0.785	-1.129	0.085										
226016	MC	0.930	-0.767	0.148										
226088	MC	0.701	-1.887	0.126										
226089	MC	0.933	-1.835	0.177										
226091	MC	0.849	-1.310	0.257										
226092	MC	0.466	-1.202	0.087										
226096	MC	0.253	-0.813	0.079										
226099	MC	0.722	-0.942	0.057										
226108	MC	0.737	-1.066	0.194										
226126	MC	0.296	-0.020	0.112										
226130	MC	0.821	-0.816	0.224										
227543	MC	1.016	-1.840	0.147										
228134	MC	0.988	-2.174	0.073										
228135	MC	0.642	-2.204	0.200										
228136	MC	0.846	-1.448	0.100										
228140	MC	0.545	1.798	0.282										
228151	MC	0.915	-0.992	0.143										
228317	MC	0.730	-1.615	0.077										
228324	MC	0.735	-1.404	0.073										
228328	MC	0.705	-1.591	0.166										
228369	MC	0.521	1.428	0.150										
244071	MC	1.032	-1.448	0.275										
244073	MC	0.446	0.049	0.038										
244120	MC	0.867	-0.629	0.126										
244133	MC	0.833	-0.662	0.163										
244136	MC	1.188	-1.840	0.100										
244138	MC	0.704	-0.700	0.037										
244139	MC	0.789	-1.990	0.042										
244385	MC	0.953	-0.144	0.174										
244645	MC	0.637	-0.705	0.146										
244650	MC	0.350	-0.854	0.106										
244653	MC	0.978	-1.372	0.245										
226094	OR	0.696	-0.362		3.643	0.806	-1.243	-3.207						
226132	OR	0.743	0.548		3.697	0.721	-1.298	-3.120						
228165	OR	0.740	0.465		3.339	1.103	-1.222	-3.220						
228371	OR	0.906	-0.583		1.997	0.615	-0.600	-2.012						
400002	E-CON	0.969	-1.919		2.032	1.522	0.348	-0.235	-1.454	-2.214				
400001	T-DEV	0.893	-0.314		3.739	3.239	2.243	1.692	0.466	-0.187	-1.475	-2.209	-3.261	-4.246

Table B3: MCAS 2006 English Language Arts, Grade 5

Item	Type	A	B	C	D1	D2	D3	D4
204515	MC	1.121	-1.330	0.195				
204530	MC	0.747	-2.391	0.056				
204535	MC	0.565	-0.703	0.078				
204536	MC	0.717	-2.900	0.000				
204538	MC	0.992	-1.183	0.110				
205110	MC	0.720	-2.090	0.063				
205111	MC	1.073	-1.167	0.322				
205115	MC	1.050	-1.160	0.209				
205123	MC	0.916	-1.442	0.278				
208518	MC	0.686	-1.362	0.097				
208536	MC	0.705	-1.686	0.000				
208541	MC	0.998	-1.238	0.185				
208625	MC	0.997	-1.444	0.055				
208631	MC	0.703	-0.960	0.096				
208633	MC	0.839	-1.230	0.049				
208645	MC	1.084	0.173	0.221				
208889	MC	1.430	-0.279	0.199				
208894	MC	0.978	-0.568	0.261				
208905	MC	0.855	-0.412	0.183				
213327	MC	0.538	-1.322	0.200				
238791	MC	0.840	0.039	0.642				
238794	MC	0.578	-2.169	0.148				
238796	MC	0.619	-2.599	0.000				
238799	MC	1.046	-1.860	0.115				
238801	MC	0.558	0.449	0.144				
238802	MC	0.534	-0.419	0.029				
238809	MC	0.711	-1.340	0.128				
238810	MC	0.810	0.000	0.182				
238812	MC	1.208	-1.256	0.147				
238815	MC	1.007	-0.820	0.225				
238818	MC	0.857	-1.832	0.189				
241303	MC	0.710	-0.799	0.039				
241306	MC	1.100	-0.168	0.100				
242328	MC	1.151	-0.075	0.260				
250593	MC	0.678	-1.500	0.000				
255406	MC	0.895	-1.758	0.073				
208547	OR	0.746	-0.322		3.219	0.786	-1.155	-2.850
238804	OR	0.866	0.115		2.848	0.723	-0.998	-2.572
238820	OR	0.772	-0.587		2.395	1.042	-0.893	-2.544
242322	OR	0.688	-0.279		2.811	1.117	-1.136	-2.793

Appendix B

Table B4: MCAS 2006 English Language Arts, Grade 6

Item	Type	A	B	C	D1	D2	D3	D4
201742	MC	0.530	-1.921	0.000				
201744	MC	0.754	-0.763	0.063				
201756	MC	0.691	-0.669	0.089				
201812	MC	0.764	-1.767	0.453				
201813	MC	0.747	-1.870	0.078				
201823	MC	0.519	-1.427	0.000				
201875	MC	1.183	-0.101	0.254				
201881	MC	0.734	-1.045	0.064				
201926	MC	0.651	-1.612	0.051				
201938	MC	0.398	-1.632	0.060				
201941	MC	0.587	-1.770	0.054				
201949	MC	0.846	-0.831	0.323				
202000	MC	0.805	0.013	0.181				
202003	MC	0.499	-1.001	0.108				
203110	MC	1.267	-0.791	0.164				
203131	MC	0.596	-0.186	0.072				
203308	MC	1.072	-0.696	0.233				
203313	MC	0.638	0.097	0.231				
203316	MC	0.998	-0.948	0.126				
203320	MC	0.750	-1.538	0.079				
203324	MC	0.602	-2.876	0.000				
207098	MC	0.886	-0.133	0.114				
207109	MC	1.161	-0.855	0.282				
207123	MC	0.907	-0.939	0.170				
244934	MC	0.959	-1.186	0.350				
244940	MC	0.940	0.184	0.181				
244950	MC	0.909	-0.959	0.148				
250379	MC	0.488	-1.174	0.000				
250381	MC	0.919	-0.934	0.147				
255155	MC	1.070	-1.410	0.093				
255158	MC	1.095	-1.177	0.213				
255160	MC	0.502	-1.623	0.070				
255162	MC	0.757	-2.289	0.066				
255163	MC	0.471	-1.125	0.000				
255174	MC	0.597	-0.428	0.104				
255176	MC	0.908	-1.546	0.059				
201894	OR	0.966	-0.355		2.541	0.802	-0.986	-2.357
202011	OR	0.764	-0.845		3.054	1.022	-1.121	-2.955
203333	OR	0.900	0.341		2.271	0.683	-0.825	-2.129
250376	OR	0.955	0.333		1.785	0.896	-0.660	-2.021

Appendix B

Table B5: MCAS 2006 English Language Arts, Grade 7

Item	Type	A	B	C	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10
225479	MC	0.551	-2.169	0.000										
225481	MC	0.614	-1.165	0.059										
225493	MC	0.809	-1.314	0.097										
225495	MC	0.775	-1.135	0.093										
225502	MC	0.860	-1.256	0.146										
225505	MC	0.628	-1.459	0.054										
225508	MC	0.685	-2.627	0.000										
225509	MC	0.706	-0.796	0.121										
225510	MC	0.935	-1.468	0.056										
225514	MC	0.768	-1.720	0.125										
225515	MC	0.754	-2.099	0.034										
225517	MC	0.410	-1.809	0.000										
225523	MC	0.644	-2.179	0.000										
225528	MC	1.153	-1.675	0.250										
225530	MC	0.763	-2.279	0.038										
225798	MC	0.719	-1.411	0.052										
225803	MC	0.589	-0.994	0.169										
225807	MC	0.404	-2.356	0.000										
225808	MC	0.996	-1.167	0.151										
225827	MC	0.560	-2.305	0.000										
225828	MC	0.268	-2.316	0.000										
225829	MC	1.018	-1.654	0.104										
225831	MC	0.948	-1.062	0.251										
225836	MC	0.715	-1.578	0.075										
225849	MC	0.545	0.346	0.184										
225873	MC	0.641	-2.819	0.000										
225876	MC	0.498	-1.754	0.053										
225928	MC	0.496	-2.524	0.000										
225936	MC	0.562	-2.409	0.000										
226080	MC	0.603	-1.302	0.049										
244063	MC	0.641	-2.099	0.000										
244065	MC	0.567	-3.019	0.000										
244066	MC	0.832	-0.225	0.264										
244070	MC	0.633	-1.473	0.082										
246617	MC	0.603	-0.490	0.034										
246618	MC	0.557	-0.852	0.060										
225496	OR	1.030	-0.307		2.375	0.835	-0.948	-2.263						
225521	OR	1.012	-0.470		2.340	0.713	-0.831	-2.222						
225851	OR	1.033	-0.096		2.316	0.602	-0.776	-2.142						
244062	OR	0.928	-0.367		2.695	0.872	-1.002	-2.564						
400002	E-CON	1.178	-1.941		2.044	1.576	0.431	-0.106	-1.623	-2.321				
400001	T-DEV	1.119	-0.210		3.782	3.383	2.325	1.844	0.187	-0.422	-1.535	-2.171	-3.313	-4.081

Appendix B

Table B6: MCAS 2006 English Language Arts, Grade 8

Item	Type	A	B	C	D1	D2	D3	D4
204070	MC	0.816	-0.617	0.332				
204084	MC	0.718	-0.607	0.231				
204096	MC	0.949	0.093	0.237				
204101	MC	0.896	-1.043	0.238				
204104	MC	0.601	-1.119	0.154				
204397	MC	0.813	-1.341	0.161				
204405	MC	0.715	-0.849	0.123				
204411	MC	0.873	-1.610	0.113				
204436	MC	0.874	-1.220	0.389				
204441	MC	1.090	-0.901	0.154				
204445	MC	1.281	-0.783	0.411				
204456	MC	1.167	-0.627	0.174				
204463	MC	0.860	-0.877	0.378				
204470	MC	0.784	-0.214	0.173				
204503	MC	0.661	-2.607	0.000				
207321	MC	0.720	-1.457	0.024				
207333	MC	0.878	-1.280	0.023				
207342	MC	0.958	-1.879	0.045				
207352	MC	0.737	-1.526	0.087				
207355	MC	1.197	-1.818	0.032				
207358	MC	0.789	-2.363	0.032				
207361	MC	0.450	-2.194	0.000				
207362	MC	0.580	-1.386	0.000				
207488	MC	0.770	-1.394	0.092				
207504	MC	0.705	-0.978	0.121				
207522	MC	0.907	-1.726	0.095				
207530	MC	0.655	-1.801	0.000				
207543	MC	0.855	-1.140	0.131				
207549	MC	0.736	-0.618	0.133				
207556	MC	0.567	-1.734	0.170				
238778	MC	0.993	-0.860	0.117				
239788	MC	0.637	-2.179	0.000				
244267	MC	0.652	-0.022	0.149				
244269	MC	0.855	-1.185	0.141				
244270	MC	0.519	-0.837	0.102				
244271	MC	0.454	-2.201	0.000				
242793	OR	0.942	-0.849		1.988	0.848	-0.575	-2.261
242797	OR	0.864	-0.339		2.887	0.956	-1.152	-2.691
242798	OR	0.968	-0.488		2.377	0.686	-0.914	-2.149
242800	OR	0.833	-0.439		2.201	0.699	-0.758	-2.142

Appendix B

Table B7: MCAS 2006 English Language Arts, Grade 10

Item	Type	A	B	C	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10
228181	MC	0.936	-0.439	0.339										
228185	MC	1.535	-0.067	0.226										
228193	MC	1.205	-0.221	0.173										
228197	MC	1.650	-0.504	0.202										
228204	MC	1.576	0.105	0.220										
228222	MC	1.268	0.008	0.179										
228226	MC	0.867	0.470	0.115										
228227	MC	1.040	-0.420	0.249										
228230	MC	0.773	-0.099	0.160										
228231	MC	0.869	-0.481	0.210										
228233	MC	0.800	-0.707	0.278										
228244	MC	1.101	-0.279	0.287										
228267	MC	0.997	0.118	0.292										
228283	MC	1.476	-0.447	0.141										
228285	MC	1.887	-0.734	0.255										
228289	MC	0.917	-1.107	0.236										
228299	MC	1.142	0.211	0.221										
228323	MC	1.339	-0.507	0.150										
228329	MC	1.178	-1.039	0.140										
228331	MC	1.547	0.451	0.124										
228335	MC	0.965	-0.072	0.166										
228378	MC	0.832	-1.103	0.249										
228393	MC	1.136	-0.343	0.229										
228394	MC	1.380	0.070	0.426										
228506	MC	0.936	-0.436	0.211										
228512	MC	1.057	-0.276	0.234										
228517	MC	1.117	-0.418	0.286										
228526	MC	1.523	0.087	0.212										
228578	MC	1.087	0.049	0.269										
228610	MC	0.586	0.099	0.209										
228622	MC	1.196	-0.262	0.282										
228632	MC	0.692	-0.530	0.188										
228817	MC	1.298	-0.673	0.183										
228820	MC	1.183	-0.517	0.143										
228824	MC	0.582	1.367	0.127										
228893	MC	0.708	-0.558	0.196										
228243	OR	1.226	0.352		1.606	0.584	-0.539	-1.651						
228247	OR	1.284	0.478		1.612	0.423	-0.580	-1.454						
228339	OR	0.932	0.133		1.744	0.688	-0.546	-1.887						
228640	OR	1.134	0.543		1.723	0.519	-0.637	-1.605						
400002	E-CON	1.553	-1.396		1.580	1.369	0.213	-0.139	-1.264	-1.759				
400001	T-DEV	1.425	0.135		2.863	2.677	1.886	1.545	0.486	0.041	-1.267	-1.769	-2.995	-3.466

Appendix B

Table B8: MCAS 2006 Mathematics, Grade 3

Item	Type	A	B	C	D1	D2
198163	MC	0.720	-2.724	0.110		
198168	MC	0.853	-2.306	0.147		
198169	MC	1.226	-1.581	0.025		
202922	MC	1.009	-1.658	0.171		
202950	MC	0.886	-0.770	0.140		
202990	MC	0.873	-0.857	0.114		
203471	MC	0.655	-1.235	0.040		
203499	MC	1.040	-1.995	0.090		
203595	MC	0.813	-0.945	0.064		
203715	MC	0.865	-1.559	0.053		
203725	MC	1.195	-0.787	0.408		
203744	MC	0.706	-1.394	0.184		
206965	MC	0.756	-1.722	0.146		
206974	MC	0.990	-0.674	0.135		
206987	MC	1.156	-0.198	0.227		
207017	MC	0.650	-1.039	0.075		
207785	MC	0.763	-2.136	0.083		
207832	MC	0.522	-0.781	0.248		
214068	MC	0.578	-1.898	0.060		
244408	MC	0.924	-0.869	0.200		
247058	MC	1.406	-1.434	0.040		
247062	MC	0.801	-1.389	0.418		
247064	MC	1.045	-1.022	0.057		
247076	MC	1.043	-0.320	0.137		
247084	MC	0.982	0.156	0.324		
203625	SA	0.626	-2.107			
203691	SA	0.992	-0.290			
207877	SA	0.603	-0.153			
214837	SA	0.689	-1.452			
247066	SA	0.760	-1.714			
203610	OR	0.854	-1.386		0.641	-0.641
207994	OR	0.598	-0.888		0.777	-0.777
207999	OR	0.686	-1.624		0.605	-0.605
247071	OR	0.475	-0.508		0.303	-0.303
247073	OR	0.844	-0.931		0.195	-0.195

Table B9: MCAS 2006 Mathematics, Grade 4

Item	Type	A	B	C	D1	D2	D3	D4
221839	MC	0.647	-2.963	0.000				
221871	MC	0.813	-1.840	0.031				
221919	MC	0.801	-2.533	0.104				
221941	MC	1.159	0.109	0.175				
221962	MC	0.518	-1.667	0.000				
221967	MC	0.495	-2.704	0.000				
222010	MC	0.864	-1.201	0.219				
222143	MC	1.011	-0.306	0.124				
222144	MC	0.815	-1.202	0.148				
222214	MC	0.402	-1.191	0.000				
226185	MC	1.021	1.278	0.173				
228507	MC	0.740	-0.571	0.460				
228819	MC	0.574	-0.459	0.466				
228998	MC	0.826	-0.753	0.203				
229000	MC	0.899	-1.625	0.154				
229011	MC	1.073	0.046	0.113				
229013	MC	1.529	-0.068	0.171				
229020	MC	0.591	-2.503	0.101				
246409	MC	0.433	-0.616	0.234				
246413	MC	0.777	-1.168	0.441				
246416	MC	0.757	-1.655	0.184				
246433	MC	0.969	-0.142	0.176				
246436	MC	0.898	-0.809	0.398				
251581	MC	0.655	-2.087	0.068				
251587	MC	1.201	-0.482	0.176				
251589	MC	0.673	0.299	0.299				
251592	MC	1.178	0.316	0.200				
251594	MC	0.716	-1.436	0.155				
251596	MC	0.618	-1.331	0.050				
221838	SA	0.984	-0.512					
222092	SA	0.499	-1.111					
226142	SA	0.404	-0.587					
241080	SA	0.630	-1.272					
246421	SA	0.700	-0.666					
221963	OR	0.750	-1.231		1.364	0.717	-0.225	-1.856
249218	OR	0.973	0.056		1.040	0.054	-0.161	-0.932
251585	OR	0.927	-0.943		1.829	0.217	-0.291	-1.754
251588	OR	0.790	0.250		1.882	0.413	-0.384	-1.912
251595	OR	1.042	-1.015		1.056	0.321	-0.127	-1.251

Appendix B

Table B10: MCAS 2006 Mathematics, Grade 5

Item	Type	A	B	C	D1	D2	D3	D4
198681	MC	0.796	-0.691	0.161				
204669	MC	0.764	-0.500	0.136				
204671	MC	0.665	-1.657	0.058				
204676	MC	0.679	0.118	0.105				
204681	MC	1.401	-0.597	0.130				
204695	MC	0.682	0.902	0.197				
204696	MC	1.148	-0.460	0.046				
204701	MC	1.019	0.202	0.361				
204711	MC	0.829	-0.724	0.135				
204726	MC	0.783	-1.085	0.076				
204757	MC	0.974	-0.834	0.104				
204792	MC	0.757	-0.239	0.225				
204802	MC	0.848	-1.344	0.132				
204850	MC	0.374	-1.656	0.000				
204860	MC	0.994	-1.008	0.210				
204882	MC	0.791	-0.007	0.116				
204889	MC	0.911	-0.200	0.125				
206919	MC	0.896	-0.988	0.132				
206925	MC	1.208	-0.014	0.138				
207038	MC	0.837	-0.190	0.110				
207073	MC	0.976	0.058	0.377				
207142	MC	0.769	-1.134	0.093				
207198	MC	0.725	-0.310	0.105				
243377	MC	0.590	-0.824	0.182				
243416	MC	0.699	-0.118	0.163				
246620	MC	0.787	-2.306	0.052				
246621	MC	0.996	-1.441	0.291				
246622	MC	0.378	-0.797	0.000				
246623	MC	0.897	-1.292	0.090				
204908	SA	0.416	-0.631					
207573	SA	0.551	-2.503					
207628	SA	0.549	0.272					
207637	SA	0.584	-1.510					
240382	SA	0.872	-0.461					
204657	OR	1.445	-0.265		1.016	-0.008	-0.169	-0.840
204714	OR	1.135	-0.587		0.723	0.134	-0.259	-0.598
204876	OR	0.841	-0.430		1.143	0.293	-0.218	-1.218
207718	OR	0.582	-0.331		2.121	0.286	-0.635	-1.773
248879	OR	1.141	-0.035		1.304	0.450	-0.670	-1.084

Table B11: MCAS 2006 Mathematics, Grade 6

Item	Type	A	B	C	D1	D2	D3	D4
229050	MC	0.991	-0.438	0.161				
229058	MC	1.508	-0.316	0.365				
229746	MC	1.221	-1.144	0.240				
229769	MC	0.666	0.453	0.250				
229792	MC	0.667	-1.266	0.019				
229793	MC	1.394	0.263	0.170				
229794	MC	1.079	-0.566	0.236				
229795	MC	0.774	-0.384	0.133				
229796	MC	0.750	-0.041	0.223				
229799	MC	0.659	-1.151	0.200				
229807	MC	0.907	-0.899	0.104				
229811	MC	0.972	-0.361	0.014				
229812	MC	1.527	-0.556	0.100				
229814	MC	0.975	-0.247	0.414				
229821	MC	1.106	-0.325	0.248				
229824	MC	1.066	-0.504	0.079				
229828	MC	1.156	-0.877	0.045				
229849	MC	1.114	-0.685	0.168				
229850	MC	0.882	-1.310	0.120				
229867	MC	1.226	-0.232	0.099				
229875	MC	1.107	-0.491	0.170				
229879	MC	1.148	-0.212	0.334				
229882	MC	1.621	-0.792	0.121				
229892	MC	1.326	-0.513	0.106				
229908	MC	0.787	-0.757	0.195				
244942	MC	1.027	-0.156	0.196				
248136	MC	0.792	-1.650	0.131				
248138	MC	1.052	-0.500	0.047				
249249	MC	0.739	-1.292	0.135				
229803	SA	0.794	-0.309					
229871	SA	0.793	-0.597					
229914	SA	0.760	-2.456					
248165	SA	1.387	-0.342					
248171	SA	1.067	0.135					
229806	OR	1.205	-0.286		0.932	0.185	-0.113	-1.003
229869	OR	0.936	0.408		1.700	0.353	-0.565	-1.488
248141	OR	1.310	-0.294		1.910	0.192	-0.699	-1.404
248160	OR	1.365	-0.093		1.137	0.228	-0.400	-0.965
248183	OR	1.192	-0.426		1.200	0.322	-0.231	-1.290

Appendix B

Table B12: MCAS 2006 Mathematics, Grade 7

Item	Type	A	B	C	D1	D2	D3	D4
198322	MC	0.926	0.868	0.145				
198329	MC	1.774	0.730	0.157				
205211	MC	1.028	-1.948	0.026				
205213	MC	0.883	0.026	0.181				
205214	MC	1.102	-0.338	0.057				
205215	MC	1.113	0.289	0.141				
205217	MC	0.739	-0.263	0.219				
205238	MC	0.613	-0.911	0.495				
205434	MC	1.319	-0.766	0.173				
205456	MC	1.011	-0.075	0.150				
205457	MC	1.021	-1.106	0.245				
205471	MC	1.156	-0.847	0.116				
205534	MC	0.962	-0.698	0.060				
205553	MC	0.844	-0.834	0.187				
205583	MC	1.208	0.023	0.248				
205630	MC	0.783	-0.423	0.230				
208361	MC	1.364	-0.886	0.218				
208386	MC	1.082	0.681	0.154				
208507	MC	1.266	-0.558	0.160				
208509	MC	1.497	1.138	0.097				
208582	MC	0.726	0.489	0.144				
208692	MC	1.396	-0.376	0.139				
208701	MC	0.585	-1.241	0.246				
208706	MC	0.495	-1.655	0.000				
208716	MC	1.450	0.860	0.277				
251209	MC	1.207	0.035	0.233				
251210	MC	0.899	0.064	0.197				
251211	MC	0.768	-0.414	0.234				
252841	MC	0.927	-0.069	0.241				
205369	SA	0.605	-1.108					
205399	SA	1.266	-0.326					
205403	SA	1.069	-0.056					
208763	SA	0.870	-1.015					
251208	SA	0.789	-0.815					
205680	OR	0.829	-0.989		1.469	0.645	-0.594	-1.521
205691	OR	1.278	0.269		0.947	0.325	-0.279	-0.993
208684	OR	1.288	-0.423		1.741	0.351	-0.830	-1.262
208690	OR	1.222	-0.620		1.197	0.262	-0.160	-1.299
251212	OR	1.059	-0.256		1.779	0.748	-0.605	-1.922

Table B13: MCAS 2006 Mathematics, Grade 8

Item	Type	A	B	C	D1	D2	D3	D4
226896	MC	1.379	0.343	0.138				
226908	MC	1.406	0.052	0.158				
226910	MC	0.976	-0.573	0.091				
226940	MC	1.487	-0.194	0.277				
226944	MC	1.017	-0.665	0.103				
226983	MC	1.507	-0.738	0.261				
226996	MC	0.761	-0.193	0.294				
228708	MC	0.739	0.279	0.421				
228779	MC	0.680	-0.312	0.201				
228816	MC	0.962	-0.241	0.140				
228847	MC	1.686	-0.558	0.259				
229496	MC	0.995	-0.064	0.199				
229502	MC	1.269	0.219	0.225				
229588	MC	1.043	-0.370	0.443				
229608	MC	1.403	-0.776	0.098				
229613	MC	1.091	-0.313	0.101				
229673	MC	1.439	0.636	0.172				
229680	MC	0.875	-0.585	0.164				
229702	MC	0.983	0.829	0.347				
229722	MC	1.486	0.839	0.071				
229724	MC	0.668	-1.735	0.095				
248137	MC	0.596	1.101	0.192				
248139	MC	1.097	0.018	0.302				
248140	MC	1.444	-0.294	0.309				
248142	MC	0.889	0.330	0.166				
248144	MC	1.110	0.462	0.292				
248155	MC	1.120	-1.065	0.098				
248162	MC	0.552	0.108	0.092				
248168	MC	0.577	-1.565	0.000				
228756	SA	1.139	0.374					
228958	SA	0.944	0.356					
229539	SA	0.955	-0.250					
229619	SA	0.962	-1.254					
229706	SA	0.973	0.147					
227751	OR	1.176	-0.321		1.473	0.517	-0.576	-1.414
228825	OR	0.869	-0.060		0.957	0.490	-0.302	-1.145
248147	OR	1.042	-0.712		1.077	0.227	-0.210	-1.094
248152	OR	1.333	0.086		1.304	0.393	-0.625	-1.072
248173	OR	1.064	-0.827		0.967	0.416	-0.181	-1.202

Appendix B

Table B14: MCAS 2006 Mathematics, Grade 10

Item	Type	A	B	C	D1	D2	D3	D4
229600	MC	0.857	-0.061	0.271				
229601	MC	1.276	0.479	0.342				
229617	MC	1.683	0.782	0.214				
229630	MC	1.239	0.545	0.138				
229640	MC	1.394	0.319	0.330				
229658	MC	0.934	1.242	0.220				
229663	MC	1.709	0.915	0.302				
229688	MC	0.787	-0.961	0.216				
229708	MC	1.860	0.909	0.202				
229728	MC	1.457	1.126	0.252				
229741	MC	1.724	0.420	0.167				
229747	MC	0.811	1.011	0.200				
229766	MC	0.764	0.256	0.310				
229773	MC	1.624	0.636	0.135				
229787	MC	0.635	-0.612	0.119				
229800	MC	1.195	0.074	0.316				
229802	MC	1.601	-0.361	0.239				
229854	MC	0.787	-0.771	0.227				
229895	MC	0.515	-1.313	0.250				
229938	MC	1.058	-0.548	0.189				
229952	MC	2.328	0.974	0.235				
229954	MC	1.185	0.669	0.182				
229974	MC	1.053	-1.088	0.286				
229977	MC	0.972	0.111	0.245				
230007	MC	1.520	-0.027	0.142				
230009	MC	1.451	0.726	0.342				
230036	MC	2.019	1.368	0.309				
254639	MC	1.204	0.461	0.131				
254640	MC	1.856	0.643	0.254				
254642	MC	0.956	1.137	0.109				
254645	MC	1.187	-0.801	0.250				
254646	MC	1.450	0.180	0.210				
229521	SA	0.535	0.004					
229720	SA	1.345	0.577					
229922	SA	1.039	0.393					
229998	SA	0.884	0.537					
229537	OR	1.387	0.563		1.386	0.290	-0.445	-1.230
229544	OR	1.274	-0.181		0.925	0.126	-0.231	-0.820
229671	OR	2.333	0.648		0.835	0.067	-0.287	-0.615
229989	OR	1.417	0.935		0.682	0.131	-0.237	-0.576
254643	OR	1.372	-0.072		0.891	0.343	-0.251	-0.984
254644	OR	1.501	0.796		0.828	0.299	-0.201	-0.926

Table B15: MCAS 2006 Science and Technology/Engineering, Grade 5

Item	Type	A	B	C	D1	D2	D3	D4
227874	MC	0.799	-0.697	0.213				
227878	MC	0.834	-0.884	0.207				
227884	MC	0.801	-0.842	0.205				
228960	MC	0.746	-0.768	0.135				
228977	MC	0.647	-2.435	0.040				
228996	MC	0.354	-2.932	0.086				
229033	MC	0.560	-2.364	0.088				
229045	MC	0.443	0.807	0.178				
229046	MC	0.743	0.043	0.305				
229057	MC	0.562	-0.945	0.068				
229074	MC	0.329	-2.665	0.172				
229104	MC	0.470	-2.524	0.180				
229140	MC	0.342	0.100	0.166				
229143	MC	0.401	-0.731	0.104				
229152	MC	0.684	-1.481	0.042				
229154	MC	0.908	-0.070	0.272				
229156	MC	0.517	-2.667	0.141				
229160	MC	0.524	-2.656	0.070				
229210	MC	0.444	-0.426	0.042				
229222	MC	0.520	-2.007	0.041				
229337	MC	0.518	-1.956	0.086				
248201	MC	0.569	-2.021	0.039				
248204	MC	0.898	-0.601	0.337				
250815	MC	0.637	0.646	0.220				
250816	MC	0.509	-3.426	0.214				
250818	MC	0.827	-0.507	0.181				
250819	MC	0.516	-1.585	0.200				
252695	MC	0.439	-2.743	0.097				
252696	MC	0.516	0.247	0.131				
252698	MC	0.535	-0.340	0.122				
252700	MC	0.722	-2.590	0.084				
252701	MC	0.546	-2.617	0.200				
252703	MC	0.842	0.986	0.226				
253135	MC	1.099	-0.848	0.111				
228976	OR	0.726	0.386		2.608	0.791	-0.913	-2.485
228978	OR	0.845	-0.357		1.286	0.567	-0.219	-1.634
229132	OR	0.648	0.024		2.560	0.347	-0.801	-2.106
229324	OR	0.529	1.104		2.715	0.866	-0.810	-2.770
229342	OR	0.651	-0.985		2.284	0.551	-0.879	-1.956

Appendix B

Table B16: MCAS 2006 Science and Technology/Engineering, Grade 8

Item	Type	A	B	C	D1	D2	D3	D4
226418	MC	0.803	-0.604	0.187				
227898	MC	0.779	-0.947	0.124				
227900	MC	1.017	0.447	0.178				
227913	MC	0.533	-2.302	0.068				
229372	MC	0.889	-1.224	0.199				
229373	MC	0.452	-3.463	0.100				
229376	MC	0.758	-0.263	0.167				
229383	MC	0.895	-1.202	0.141				
229397	MC	0.719	0.195	0.175				
229403	MC	0.638	0.371	0.103				
229414	MC	1.271	-0.269	0.156				
229416	MC	0.785	0.406	0.187				
229417	MC	0.776	-0.362	0.156				
229419	MC	0.557	-0.521	0.275				
229420	MC	1.130	-0.316	0.260				
229431	MC	0.602	-0.806	0.028				
229436	MC	0.990	-0.661	0.229				
229444	MC	0.843	-1.054	0.069				
229445	MC	1.056	-0.487	0.126				
229448	MC	0.762	-0.653	0.085				
229461	MC	0.446	-1.254	0.100				
229473	MC	0.398	-1.953	0.059				
229474	MC	0.486	-1.931	0.059				
229484	MC	0.703	-0.446	0.107				
229486	MC	0.891	0.219	0.103				
250790	MC	1.270	-1.579	0.077				
250793	MC	0.964	-1.829	0.038				
250797	MC	0.697	-0.531	0.055				
252632	MC	1.007	-2.086	0.022				
252634	MC	0.472	-1.417	0.187				
252638	MC	0.744	0.332	0.228				
252641	MC	0.712	-1.299	0.034				
252642	MC	0.683	-1.503	0.020				
252644	MC	0.402	-0.501	0.021				
229365	OR	0.955	0.859		1.687	0.789	-0.627	-1.849
229369	OR	0.926	0.799		1.642	0.796	-0.562	-1.877
229380	OR	0.966	-0.124		1.888	0.637	-0.533	-1.993
250795	OR	0.802	-0.913		1.712	0.780	-0.538	-1.954
252635	OR	0.819	0.560		1.037	0.420	-0.228	-1.229