

APPENDIX A

DELTA ANALYSES

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

IREF	=	Internal Reference Number for each item
OLDP	=	2006 Item Difficulty Index
NEWP	=	2007 Item Difficulty Index
OLDDDELTA	=	2006 Delta Value
NEWDELTA	=	2007 Delta Value
LINE	=	Regression line
MAX	=	Maximum Number of Raw Score Points
DISCARD	=	Whether or not the item was discarded from use as an equating item; “NO” is the default

For additional information regarding delta analyses, refer to section 4.3 of this document.

English Language Arts/Reading: Tables A1–A7	Appendix A, Pages 1–8
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English Language Arts/Reading

Table A1: MCAS 2006–2007 Reading Grade 3

IREF	OLDP	NEWP	OLDDDELTA	NEWDELTA	LINE	MAX	DISCARD
214009	0.680	0.680	11.129	11.129	11.164	1	NO
214010	0.790	0.800	9.774	9.634	9.587	1	NO
214022	0.710	0.710	10.787	10.787	10.803	1	NO
214025	0.403	0.415	13.988	13.859	14.043	4	NO
214091	0.800	0.770	9.634	10.045	10.020	1	NO
214092	0.950	0.940	6.421	6.781	6.578	1	NO
214093	0.920	0.920	7.380	7.380	7.210	1	NO
214094	0.700	0.690	10.902	11.017	11.046	1	NO
214100	0.820	0.790	9.339	9.774	9.735	1	NO
214101	0.840	0.860	9.022	8.679	8.580	1	NO
214102	0.540	0.570	12.598	12.295	12.393	1	NO
214103	0.790	0.790	9.774	9.774	9.735	1	NO
214104	0.830	0.840	9.183	9.022	8.942	1	NO
214105	0.650	0.640	11.459	11.566	11.625	1	NO
214106	0.820	0.830	9.339	9.183	9.112	1	NO
214107	0.930	0.930	7.097	7.097	6.911	1	NO
214108	0.700	0.708	10.902	10.816	10.834	4	NO
220171	0.860	0.830	8.679	9.183	9.112	1	NO
220175	0.790	0.780	9.774	9.911	9.880	1	NO
220185	0.810	0.800	9.488	9.634	9.587	1	NO
220194	0.740	0.690	10.427	11.017	11.046	1	NO
220196	0.740	0.730	10.427	10.549	10.552	1	NO
220199	0.810	0.790	9.488	9.774	9.735	1	NO
220220	0.770	0.780	10.045	9.911	9.880	1	NO
220259	0.560	0.548	12.396	12.523	12.634	4	NO
234878	0.670	0.690	11.240	11.017	11.046	1	NO
234879	0.780	0.800	9.911	9.634	9.587	1	NO
234880	0.890	0.870	8.094	8.494	8.386	1	NO
234882	0.890	0.880	8.094	8.300	8.181	1	NO
234890	0.890	0.890	8.094	8.094	7.963	1	NO
234894	0.800	0.800	9.634	9.634	9.587	1	NO
234896	0.830	0.820	9.183	9.339	9.276	1	NO
234897	0.870	0.870	8.494	8.494	8.386	1	NO
234903	0.563	0.640	12.371	11.566	11.625	4	YES
245645	0.810	0.820	9.488	9.339	9.276	1	NO

Appendix A

Table A2: MCAS 2006–2007 English Language Arts Grade 4

IREF	OLDP	NEWP	OLDDDELTA	NEWDELTA	LINE	MAX	DISCARD
225937	0.700	0.700	10.902	10.902	11.001	1	NO
225944	0.810	0.780	9.488	9.911	9.968	1	NO
225949	0.710	0.700	10.787	10.902	11.001	1	NO
225967	0.483	0.513	13.176	12.875	13.057	4	NO
227630	0.850	0.850	8.854	8.854	8.867	1	NO
227631	0.820	0.850	9.339	8.854	8.867	1	NO
227640	0.800	0.790	9.634	9.774	9.826	1	NO
227641	0.870	0.870	8.494	8.494	8.492	1	NO
227644	0.810	0.790	9.488	9.774	9.826	1	NO
227649	0.740	0.770	10.427	10.045	10.107	1	NO
227651	0.860	0.890	8.679	8.094	8.075	1	NO
227653	0.870	0.880	8.494	8.300	8.289	1	NO
227656	0.790	0.800	9.774	9.634	9.679	1	NO
227657	0.910	0.920	7.637	7.380	7.330	1	NO
227658	0.740	0.710	10.427	10.787	10.881	1	NO
227660	0.483	0.545	13.176	12.548	12.716	4	NO
227667	0.433	0.473	13.680	13.276	13.475	4	NO
228178	0.740	0.740	10.427	10.427	10.506	1	NO
228192	0.760	0.780	10.175	9.911	9.968	1	NO
228201	0.810	0.790	9.488	9.774	9.826	1	NO
228205	0.820	0.820	9.339	9.339	9.372	1	NO
228215	0.850	0.810	8.854	9.488	9.528	1	NO
228225	0.900	0.890	7.874	8.094	8.075	1	NO
228265	0.660	0.660	11.350	11.350	11.468	1	NO
228276	0.730	0.750	10.549	10.302	10.376	1	NO
228278	0.630	0.660	11.673	11.350	11.468	1	NO
228281	0.445	0.503	13.553	12.975	13.161	4	NO
228290	0.640	0.660	11.566	11.350	11.468	1	NO
234933	0.730	0.740	10.549	10.427	10.506	1	NO
234934	0.870	0.870	8.494	8.494	8.492	1	NO
234937	0.780	0.790	9.911	9.774	9.826	1	NO
234941	0.930	0.930	7.097	7.097	7.035	1	NO
234943	0.710	0.710	10.787	10.787	10.881	1	NO
234950	0.600	0.600	11.987	11.987	12.131	1	NO
234961	0.710	0.710	10.787	10.787	10.881	1	NO
234967	0.465	0.553	13.351	12.472	12.637	4	NO
244109	0.660	0.630	11.350	11.673	11.804	1	NO
244112	0.650	0.620	11.459	11.778	11.914	1	NO
244114	0.548	0.503	12.523	12.975	13.161	4	NO
244116	0.870	0.880	8.494	8.300	8.289	1	NO
244118	0.660	0.650	11.350	11.459	11.581	1	NO
244260	0.770	0.800	10.045	9.634	9.679	1	NO

Table A3: MCAS 2006–2007 English Language Arts Grade 5

IREF	OLDP	NEWP	OLDDDELTA	NEWDELTA	LINE	MAX	DISCARD
205060	0.750	0.740	10.302	10.427	10.485	1	NO
205062	0.850	0.820	8.854	9.339	9.347	1	NO
205065	0.800	0.790	9.634	9.774	9.803	1	NO
205067	0.850	0.840	8.854	9.022	9.016	1	NO
205081	0.720	0.740	10.669	10.427	10.485	1	NO
205084	0.560	0.540	12.396	12.598	12.755	1	NO
205090	0.840	0.850	9.022	8.854	8.841	1	NO
205091	0.620	0.640	11.778	11.566	11.676	1	NO
205093	0.630	0.640	11.673	11.566	11.676	1	NO
205102	0.540	0.575	12.598	12.244	12.384	4	NO
205133	0.650	0.650	11.459	11.459	11.564	1	NO
205134	0.570	0.580	12.295	12.192	12.331	1	NO
205136	0.770	0.780	10.045	9.911	9.946	1	NO
205139	0.850	0.850	8.854	8.854	8.841	1	NO
205143	0.750	0.750	10.302	10.302	10.354	1	NO
205147	0.700	0.720	10.902	10.669	10.738	1	NO
205148	0.630	0.650	11.673	11.459	11.564	1	NO
205153	0.510	0.505	12.900	12.950	13.122	4	NO
208721	0.700	0.700	10.902	10.902	10.982	1	NO
208722	0.860	0.860	8.679	8.679	8.657	1	NO
208726	0.730	0.720	10.549	10.669	10.738	1	NO
208735	0.720	0.730	10.669	10.549	10.612	1	NO
208738	0.740	0.760	10.427	10.175	10.221	1	NO
208741	0.790	0.800	9.774	9.634	9.656	1	NO
208743	0.810	0.820	9.488	9.339	9.347	1	NO
208744	0.820	0.810	9.339	9.488	9.504	1	NO
208765	0.608	0.615	11.909	11.831	11.952	4	NO
208783	0.690	0.690	11.017	11.017	11.101	1	NO
208784	0.850	0.840	8.854	9.022	9.016	1	NO
224762	0.780	0.780	9.911	9.911	9.946	1	NO
224773	0.750	0.750	10.302	10.302	10.354	1	NO
224804	0.670	0.670	11.240	11.240	11.335	1	NO
224807	0.920	0.910	7.380	7.637	7.568	1	NO
224817	0.505	0.535	12.950	12.649	12.808	4	NO
241467	0.518	0.558	12.825	12.422	12.570	4	NO
242303	0.740	0.730	10.427	10.549	10.612	1	NO
242304	0.840	0.840	9.022	9.022	9.016	1	NO
242324	0.740	0.770	10.427	10.045	10.085	1	NO
242325	0.780	0.780	9.911	9.911	9.946	1	NO
242326	0.770	0.800	10.045	9.634	9.656	1	NO
250901	0.820	0.850	9.339	8.854	8.841	1	NO
255425	0.513	0.515	12.875	12.850	13.018	4	NO

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Table A4: MCAS 2006–2007 English Language Arts Grade 6

IREF	OLDP	NEWP	OLDDDELTA	NEWDELTA	LINE	MAX	DISCARD
203138	0.890	0.890	8.094	8.094	8.278	1	NO
203141	0.790	0.800	9.774	9.634	9.808	1	NO
203145	0.800	0.810	9.634	9.488	9.664	1	NO
203150	0.700	0.750	10.902	10.302	10.473	1	NO
203152	0.800	0.810	9.634	9.488	9.664	1	NO
203157	0.790	0.790	9.774	9.774	9.948	1	NO
203162	0.860	0.860	8.679	8.679	8.859	1	NO
203165	0.568	0.560	12.320	12.396	12.554	4	NO
203337	0.730	0.730	10.549	10.549	10.718	1	NO
203340	0.860	0.870	8.679	8.494	8.676	1	NO
203348	0.740	0.770	10.427	10.045	10.217	1	NO
207292	0.670	0.740	11.240	10.427	10.596	1	YES
207306	0.740	0.760	10.427	10.175	10.346	1	NO
207307	0.610	0.630	11.883	11.673	11.835	1	NO
207311	0.620	0.620	11.778	11.778	11.940	1	NO
207313	0.820	0.830	9.339	9.183	9.361	1	NO
207320	0.840	0.860	9.022	8.679	8.859	1	NO
207339	0.478	0.493	13.226	13.075	13.229	4	NO
207360	0.558	0.553	12.422	12.472	12.630	4	NO
207446	0.810	0.810	9.488	9.488	9.664	1	NO
207449	0.630	0.660	11.673	11.350	11.514	1	NO
207455	0.420	0.420	13.808	13.808	13.957	1	NO
207576	0.740	0.720	10.427	10.669	10.837	1	NO
207578	0.640	0.640	11.566	11.566	11.729	1	NO
207670	0.535	0.538	12.649	12.624	12.780	4	NO
207783	0.530	0.570	12.699	12.295	12.453	1	NO
244965	0.760	0.800	10.175	9.634	9.808	1	NO
244966	0.650	0.680	11.459	11.129	11.295	1	NO
245026	0.730	0.710	10.549	10.787	10.954	1	NO
245042	0.850	0.870	8.854	8.494	8.676	1	NO
245080	0.600	0.590	11.987	12.090	12.250	1	NO
245081	0.510	0.550	12.900	12.497	12.655	1	NO
245083	0.590	0.600	12.090	11.987	12.147	1	NO
245085	0.495	0.535	13.050	12.649	12.805	4	NO
245090	0.640	0.660	11.566	11.350	11.514	1	NO
250602	0.710	0.740	10.787	10.427	10.596	1	NO
250603	0.640	0.630	11.566	11.673	11.835	1	NO
250604	0.560	0.600	12.396	11.987	12.147	4	NO
250705	0.650	0.660	11.459	11.350	11.514	1	NO
250746	0.520	0.530	12.799	12.699	12.855	1	NO
250747	0.680	0.700	11.129	10.902	11.069	1	NO
255205	0.750	0.750	10.302	10.302	10.473	1	NO

Table A5: MCAS 2006–2007 English Language Arts Grade 7

IREF	OLDP	NEWP	OLDDelta	NEWDelta	LINE	MAX	DISCARD
224900	0.820	0.830	9.339	9.183	9.210	1	NO
224909	0.710	0.690	10.787	11.017	10.995	1	NO
224911	0.750	0.780	10.302	9.911	9.919	1	NO
224913	0.750	0.770	10.302	10.045	10.049	1	NO
224918	0.583	0.590	12.167	12.090	12.041	4	NO
224946	0.860	0.880	8.679	8.300	8.349	1	NO
224951	0.710	0.690	10.787	11.017	10.995	1	NO
224954	0.930	0.930	7.097	7.097	7.177	1	NO
224955	0.720	0.740	10.669	10.427	10.421	1	NO
225543	0.910	0.910	7.637	7.637	7.703	1	NO
225545	0.800	0.790	9.634	9.774	9.785	1	NO
225546	0.710	0.690	10.787	11.017	10.995	1	NO
225549	0.900	0.900	7.874	7.874	7.934	1	NO
225550	0.810	0.830	9.488	9.183	9.210	1	NO
225551	0.830	0.840	9.183	9.022	9.053	1	NO
225553	0.820	0.820	9.339	9.339	9.361	1	NO
225554	0.580	0.620	12.192	11.778	11.737	1	NO
225556	0.280	0.250	15.331	15.698	15.556	1	NO
225561	0.660	0.640	11.350	11.566	11.531	1	NO
225565	0.443	0.435	13.579	13.655	13.565	4	NO
225593	0.710	0.680	10.787	11.129	11.105	1	NO
225596	0.750	0.730	10.302	10.549	10.540	1	NO
225597	0.503	0.530	12.975	12.699	12.634	4	NO
225618	0.740	0.740	10.427	10.427	10.421	1	NO
225621	0.790	0.780	9.774	9.911	9.919	1	NO
225625	0.620	0.620	11.778	11.778	11.737	1	NO
225630	0.820	0.820	9.339	9.339	9.361	1	NO
225631	0.880	0.860	8.300	8.679	8.718	1	NO
225635	0.690	0.680	11.017	11.129	11.105	1	NO
225638	0.810	0.850	9.488	8.854	8.889	1	NO
225640	0.520	0.520	12.799	12.799	12.732	4	NO
225661	0.800	0.810	9.634	9.488	9.507	1	NO
225663	0.750	0.750	10.302	10.302	10.299	1	NO
225664	0.840	0.820	9.022	9.339	9.361	1	NO
225665	0.580	0.610	12.192	11.883	11.839	1	NO
225667	0.528	0.488	12.724	13.125	13.050	4	NO
225678	0.820	0.820	9.339	9.339	9.361	1	NO
225679	0.680	0.680	11.129	11.129	11.105	1	NO
225700	0.830	0.810	9.183	9.488	9.507	1	NO
225707	0.520	0.523	12.799	12.774	12.708	4	NO
225718	0.600	0.630	11.987	11.673	11.634	1	NO
225726	0.670	0.600	11.240	11.987	11.940	1	YES

Appendix A

Table A6: MCAS 2006–2007 English Language Arts Grade 8

IREF	OLDP	NEWP	OLDDDELTA	NEWDELTA	LINE	MAX	DISCARD
204169	0.820	0.810	9.339	9.488	9.629	1	NO
204172	0.710	0.760	10.787	10.175	10.257	1	NO
204175	0.770	0.780	10.045	9.911	10.016	1	NO
204185	0.548	0.528	12.523	12.724	12.587	4	NO
207096	0.690	0.730	11.017	10.549	10.598	1	NO
207099	0.830	0.850	9.183	8.854	9.050	1	NO
207101	0.830	0.840	9.183	9.022	9.203	1	NO
207118	0.720	0.720	10.669	10.669	10.708	1	NO
207124	0.520	0.495	12.799	13.050	12.885	4	NO
207159	0.850	0.850	8.854	8.854	9.050	1	NO
207176	0.760	0.810	10.175	9.488	9.629	1	NO
207180	0.600	0.590	11.987	12.090	12.007	1	NO
207185	0.580	0.590	12.192	12.090	12.007	1	NO
207193	0.573	0.600	12.269	11.987	11.913	4	NO
207202	0.860	0.870	8.679	8.494	8.721	1	NO
207205	0.570	0.560	12.295	12.396	12.287	1	NO
207207	0.840	0.850	9.022	8.854	9.050	1	NO
207216	0.700	0.710	10.902	10.787	10.816	1	NO
207219	0.670	0.680	11.240	11.129	11.129	1	NO
207222	0.750	0.760	10.302	10.175	10.257	1	NO
207225	0.730	0.720	10.549	10.669	10.708	1	NO
207246	0.790	0.810	9.774	9.488	9.629	1	NO
207248	0.648	0.663	11.486	11.323	11.306	4	NO
207589	0.780	0.780	9.911	9.911	10.016	1	NO
207592	0.710	0.710	10.787	10.787	10.816	1	NO
207595	0.830	0.840	9.183	9.022	9.203	1	NO
207598	0.830	0.830	9.183	9.183	9.350	1	NO
207599	0.790	0.780	9.774	9.911	10.016	1	NO
207600	0.720	0.740	10.669	10.427	10.487	1	NO
207618	0.720	0.720	10.669	10.669	10.708	1	NO
207624	0.760	0.790	10.175	9.774	9.891	1	NO
207639	0.620	0.653	11.778	11.432	11.406	4	NO
227758	0.750	0.760	10.302	10.175	10.257	1	NO
227759	0.710	0.710	10.787	10.787	10.816	1	NO
227764	0.920	0.940	7.380	6.781	7.154	1	NO
227769	0.880	0.890	8.300	8.094	8.354	1	NO
227773	0.700	0.710	10.902	10.787	10.816	1	NO
227774	0.810	0.790	9.488	9.774	9.891	1	NO
227777	0.730	0.700	10.549	10.902	10.922	1	NO
227781	0.640	0.540	11.566	12.598	12.472	1	YES
227783	0.603	0.613	11.961	11.857	11.794	4	NO
255031	0.750	0.680	10.302	11.129	11.129	1	YES

Table A7: MCAS 2006–2007 English Language Arts Grade 10

IREF	OLDP	NEWP	OLDDDELTA	NEWDELTA	LINE	MAX	DISCARD
227074	0.630	0.680	11.673	11.129	11.177	1	NO
227074	0.660	0.700	11.350	10.902	10.932	1	NO
227078	0.630	0.670	11.673	11.240	11.296	1	NO
227078	0.660	0.670	11.350	11.240	11.296	1	NO
227079	0.580	0.610	12.192	11.883	11.988	1	NO
227079	0.580	0.630	12.192	11.673	11.762	1	NO
227081	0.760	0.740	10.175	10.427	10.420	1	NO
227081	0.770	0.730	10.045	10.549	10.551	1	NO
227083	0.605	0.623	11.935	11.752	11.847	4	NO
227083	0.583	0.643	12.167	11.539	11.618	4	NO
227156	0.780	0.790	9.911	9.774	9.717	1	NO
227156	0.790	0.780	9.774	9.911	9.865	1	NO
227157	0.620	0.640	11.778	11.566	11.647	1	NO
227157	0.630	0.590	11.673	12.090	12.211	1	NO
227158	0.800	0.800	9.634	9.634	9.566	1	NO
227158	0.810	0.810	9.488	9.488	9.409	1	NO
227159	0.820	0.800	9.339	9.634	9.566	1	NO
227159	0.790	0.790	9.774	9.774	9.717	1	NO
227161	0.750	0.750	10.302	10.302	10.286	1	NO
227161	0.730	0.750	10.549	10.302	10.286	1	NO
227163	0.620	0.580	11.778	12.192	12.322	1	NO
227163	0.590	0.560	12.090	12.396	12.541	1	NO
227164	0.590	0.590	12.090	12.090	12.211	1	NO
227164	0.570	0.580	12.295	12.192	12.322	1	NO
227166	0.760	0.760	10.175	10.175	10.149	1	NO
227166	0.760	0.740	10.175	10.427	10.420	1	NO
227168	0.595	0.605	12.038	11.935	12.044	4	NO
227168	0.593	0.613	12.064	11.857	11.960	4	NO
227177	0.640	0.600	11.566	11.987	12.100	1	NO
227177	0.660	0.610	11.350	11.883	11.988	1	NO
227181	0.670	0.630	11.240	11.673	11.762	1	NO
227181	0.670	0.620	11.240	11.778	11.875	1	NO
227184	0.660	0.650	11.350	11.459	11.532	1	NO
227184	0.690	0.650	11.017	11.459	11.532	1	NO
227185	0.780	0.770	9.911	10.045	10.008	1	NO
227185	0.760	0.770	10.175	10.045	10.008	1	NO
227186	0.533	0.538	12.674	12.624	12.786	4	NO
227186	0.525	0.535	12.749	12.649	12.813	4	NO
227199	0.840	0.830	9.022	9.183	9.081	1	NO
227199	0.850	0.850	8.854	8.854	8.726	1	NO
227201	0.830	0.830	9.183	9.183	9.081	1	NO
227201	0.820	0.830	9.339	9.183	9.081	1	NO
227202	0.790	0.790	9.774	9.774	9.717	1	NO
227202	0.810	0.800	9.488	9.634	9.566	1	NO
227204	0.810	0.810	9.488	9.488	9.409	1	NO
227204	0.810	0.800	9.488	9.634	9.566	1	NO
227206	0.620	0.620	11.778	11.778	11.875	1	NO
227206	0.620	0.630	11.778	11.673	11.762	1	NO
227208	0.800	0.820	9.634	9.339	9.248	1	NO
227208	0.820	0.810	9.339	9.488	9.409	1	NO
227209	0.660	0.650	11.350	11.459	11.532	1	NO
227209	0.640	0.660	11.566	11.350	11.415	1	NO
227211	0.800	0.800	9.634	9.634	9.566	1	NO
227211	0.800	0.790	9.634	9.774	9.717	1	NO
227212	0.653	0.685	11.432	11.073	11.116	4	NO
227212	0.663	0.680	11.323	11.129	11.177	4	NO

(cont.)

Appendix A

Table A7: MCAS 2006–2007 English Language Arts Grade 10 (cont.)

IREF	OLDP	NEWP	OLDDelta	NEWDelta	LINE	MAX	DISCARD
228426	0.380	0.370	14.222	14.327	14.621	1	NO
228426	0.400	0.400	14.013	14.013	14.283	1	NO
228460	0.640	0.670	11.566	11.240	11.296	1	NO
228460	0.630	0.670	11.673	11.240	11.296	1	NO
228462	0.630	0.590	11.673	12.090	12.211	1	NO
228462	0.620	0.600	11.778	11.987	12.100	1	NO
228463	0.760	0.750	10.175	10.302	10.286	1	NO
228463	0.750	0.760	10.302	10.175	10.149	1	NO
228464	0.750	0.750	10.302	10.302	10.286	1	NO
228464	0.750	0.760	10.302	10.175	10.149	1	NO
228465	0.730	0.690	10.549	11.017	11.055	1	NO
228465	0.740	0.700	10.427	10.902	10.932	1	NO
228466	0.790	0.790	9.774	9.774	9.717	1	NO
228466	0.780	0.770	9.911	10.045	10.008	1	NO
228467	0.610	0.610	11.883	11.883	11.988	1	NO
228467	0.610	0.610	11.883	11.883	11.988	1	NO
228468	0.575	0.563	12.244	12.371	12.514	4	NO
228468	0.580	0.580	12.192	12.192	12.322	4	NO
228480	0.860	0.820	8.679	9.339	9.248	1	NO
228480	0.840	0.830	9.022	9.183	9.081	1	NO
228482	0.790	0.790	9.774	9.774	9.717	1	NO
228482	0.790	0.810	9.774	9.488	9.409	1	NO
228483	0.870	0.820	8.494	9.339	9.248	1	NO
228483	0.830	0.840	9.183	9.022	8.907	1	NO
228484	0.820	0.800	9.339	9.634	9.566	1	NO
228484	0.780	0.810	9.911	9.488	9.409	1	NO
228485	0.585	0.590	12.141	12.090	12.211	4	NO
228485	0.560	0.603	12.396	11.961	12.072	4	NO
253903	0.800	0.750	9.634	10.302	10.286	1	NO
253903	0.800	0.750	9.634	10.302	10.286	1	NO
253906	0.740	0.730	10.427	10.549	10.551	1	NO
253906	0.740	0.710	10.427	10.787	10.807	1	NO
253908	0.850	0.850	8.854	8.854	8.726	1	NO
253908	0.850	0.860	8.854	8.679	8.537	1	NO
253913	0.770	0.790	10.045	9.774	9.717	1	NO
253913	0.770	0.790	10.045	9.774	9.717	1	NO
253924	0.810	0.800	9.488	9.634	9.566	1	NO
253924	0.810	0.810	9.488	9.488	9.409	1	NO
253926	0.660	0.690	11.350	11.017	11.055	1	NO
253926	0.660	0.650	11.350	11.459	11.532	1	NO
253934	0.610	0.660	11.883	11.350	11.415	1	NO
253934	0.610	0.650	11.883	11.459	11.532	1	NO
253936	0.760	0.770	10.175	10.045	10.008	1	NO
253936	0.760	0.760	10.175	10.175	10.149	1	NO
253938	0.445	0.545	13.553	12.548	12.705	4	NO
253938	0.445	0.505	13.553	12.950	13.137	4	NO
254165	0.690	0.690	11.017	11.017	11.055	1	NO
254165	0.690	0.690	11.017	11.017	11.055	1	NO
254166	0.770	0.790	10.045	9.774	9.717	1	NO
254166	0.770	0.770	10.045	10.045	10.008	1	NO
254167	0.810	0.820	9.488	9.339	9.248	1	NO
254167	0.810	0.810	9.488	9.488	9.409	1	NO
254232	0.820	0.810	9.339	9.488	9.409	1	NO
254232	0.820	0.820	9.339	9.339	9.248	1	NO
254237	0.518	0.615	12.825	11.831	11.932	4	NO
254237	0.518	0.608	12.825	11.909	12.016	4	NO

*Mathematics***Table A8: MCAS 2006–2007 Mathematics Grade 3**

IREF	OLDP	NEWP	OLDDDELTA	NEWDELTA	LINE	MAX	DISCARD
198173	0.670	0.670	11.240	11.240	11.474	1	NO
202948	0.830	0.820	9.183	9.339	9.598	1	NO
202961	0.860	0.860	8.679	8.679	8.947	1	NO
202981	0.640	0.650	11.566	11.459	11.690	1	NO
202988	0.730	0.740	10.549	10.427	10.671	1	NO
202999	0.750	0.760	10.302	10.175	10.423	1	NO
203477	0.810	0.780	9.488	9.911	10.163	1	NO
203501	0.920	0.930	7.380	7.097	7.385	1	NO
203598	0.730	0.715	10.549	10.728	10.969	2	NO
203601	0.730	0.730	10.549	10.549	10.792	1	NO
203608	0.900	0.915	7.874	7.511	7.794	2	NO
203629	0.700	0.745	10.902	10.365	10.610	2	NO
203643	0.730	0.720	10.549	10.669	10.910	1	NO
203718	0.670	0.730	11.240	10.549	10.792	1	NO
203723	0.860	0.870	8.679	8.494	8.765	1	NO
206959	0.760	0.810	10.175	9.488	9.746	1	NO
206976	0.670	0.710	11.240	10.787	11.027	1	NO
206988	0.860	0.860	8.679	8.679	8.947	1	NO
207010	0.470	0.470	13.301	13.301	13.508	1	NO
207019	0.760	0.840	10.175	9.022	9.285	1	NO
207134	0.910	0.940	7.637	6.781	7.074	1	NO
207140	0.700	0.790	10.902	9.774	10.028	1	NO
207168	0.870	0.880	8.494	8.300	8.573	1	NO
207171	0.900	0.880	7.874	8.300	8.573	1	NO
207668	0.610	0.650	11.883	11.459	11.690	1	NO
207676	0.800	0.810	9.634	9.488	9.746	1	NO
207679	0.510	0.540	12.900	12.598	12.815	1	NO
207704	0.820	0.860	9.339	8.679	8.947	1	NO
207776	0.800	0.800	9.634	9.634	9.889	1	NO
207799	0.810	0.820	9.488	9.339	9.598	1	NO
207839	0.730	0.810	10.549	9.488	9.746	1	NO
207871	0.630	0.630	11.673	11.673	11.901	1	NO
207884	0.720	0.750	10.669	10.302	10.549	1	NO
208002	0.765	0.765	10.110	10.110	10.359	2	NO
218575	0.825	0.835	9.262	9.104	9.366	2	NO

Appendix A

Table A9: MCAS 2006–2007 Mathematics Grade 4

IREF	OLDP	NEWP	OLDDDELTA	NEWDELTA	LINE	MAX	DISCARD
218877	0.660	0.660	11.350	11.350	11.528	1	NO
218887	0.530	0.530	12.699	12.699	12.850	1	NO
218909	0.780	0.790	9.911	9.774	9.983	1	NO
218913	0.750	0.760	10.302	10.175	10.375	1	NO
218956	0.590	0.590	12.090	12.090	12.253	1	NO
218993	0.570	0.580	12.295	12.192	12.353	1	NO
221888	0.760	0.750	10.175	10.302	10.500	1	NO
221891	0.485	0.500	13.150	13.000	13.145	4	NO
221891	0.485	0.500	13.150	13.000	13.145	4	NO
221898	0.365	0.360	14.381	14.434	14.551	2	NO
221901	0.480	0.510	13.201	12.900	13.047	1	NO
221913	0.910	0.910	7.637	7.637	7.887	1	NO
221937	0.690	0.700	11.017	10.902	11.089	1	NO
221949	0.458	0.438	13.427	13.629	13.762	4	NO
221953	0.325	0.340	14.815	14.650	14.763	2	NO
221957	0.580	0.550	12.192	12.497	12.652	1	NO
221969	0.740	0.720	10.427	10.669	10.859	1	NO
221969	0.740	0.720	10.427	10.669	10.859	1	NO
221984	0.770	0.820	10.045	9.339	9.555	1	NO
222049	0.650	0.630	11.459	11.673	11.844	1	NO
222051	0.540	0.530	12.598	12.699	12.850	1	NO
222051	0.540	0.530	12.598	12.699	12.850	1	NO
222062	0.320	0.350	14.871	14.541	14.657	2	NO
222062	0.320	0.350	14.871	14.541	14.657	2	NO
222069	0.620	0.700	11.778	10.902	11.089	1	NO
222069	0.620	0.700	11.778	10.902	11.089	1	NO
222076	0.590	0.610	12.090	11.883	12.050	1	NO
222076	0.590	0.610	12.090	11.883	12.050	1	NO
222082	0.830	0.830	9.183	9.183	9.403	1	NO
222093	0.920	0.920	7.380	7.380	7.635	1	NO
222095	0.580	0.620	12.192	11.778	11.947	1	NO
222140	0.690	0.780	11.017	9.911	10.117	1	YES
222140	0.690	0.780	11.017	9.911	10.117	1	YES
222145	0.620	0.620	11.778	11.778	11.947	1	NO
222147	0.560	0.595	12.396	12.038	12.202	4	NO
222176	0.670	0.670	11.240	11.240	11.420	1	NO
226150	0.770	0.790	10.045	9.774	9.983	1	NO
227312	0.733	0.753	10.518	10.271	10.469	4	NO
227323	0.593	0.613	12.064	11.857	12.024	4	NO
227452	0.570	0.600	12.295	11.987	12.152	1	NO
227508	0.890	0.910	8.094	7.637	7.887	1	NO
227586	0.560	0.570	12.396	12.295	12.454	1	NO
228510	0.390	0.380	14.117	14.222	14.343	1	NO
228576	0.200	0.215	16.367	16.157	16.241	2	NO
228713	0.780	0.780	9.911	9.911	10.117	1	NO
228815	0.450	0.455	13.503	13.452	13.589	2	NO

Table A10: MCAS 2006–2007 Mathematics Grade 5

IREF	OLDP	NEWP	OLDDDELTA	NEWDDELTA	LINE	MAX	DISCARD
198669	0.790	0.810	9.774	9.488	9.811	1	NO
198670	0.620	0.660	11.778	11.350	11.733	1	NO
198672	0.620	0.620	11.778	11.778	12.175	1	NO
198678	0.518	0.513	12.825	12.875	13.306	4	NO
198686	0.623	0.643	11.752	11.539	11.928	4	NO
198698	0.670	0.680	11.240	11.129	11.505	1	NO
204647	0.428	0.433	13.731	13.680	14.138	4	NO
204664	0.500	0.550	13.000	12.497	12.917	1	NO
204673	0.770	0.740	10.045	10.427	10.780	1	NO
204680	0.820	0.850	9.339	8.854	9.157	1	NO
204691	0.600	0.620	11.987	11.778	12.175	1	NO
204708	0.840	0.850	9.022	8.854	9.157	1	NO
204781	0.850	0.860	8.854	8.679	8.975	1	NO
204785	0.760	0.780	10.175	9.911	10.248	1	NO
204816	0.670	0.710	11.240	10.787	11.151	1	NO
204826	0.750	0.820	10.302	9.339	9.656	1	NO
204842	0.700	0.750	10.902	10.302	10.651	1	NO
204843	0.610	0.700	11.883	10.902	11.271	1	NO
204845	0.670	0.720	11.240	10.669	11.029	1	NO
204883	0.540	0.670	12.598	11.240	11.620	1	NO
204886	0.630	0.650	11.673	11.459	11.845	1	NO
204893	0.830	0.850	9.183	8.854	9.157	1	NO
204912	0.840	0.890	9.022	8.094	8.372	1	NO
204915	0.790	0.850	9.774	8.854	9.157	1	NO
204923	0.500	0.530	13.000	12.699	13.125	1	NO
206942	0.640	0.640	11.566	11.566	11.956	1	NO
207034	0.710	0.690	10.787	11.017	11.389	1	NO
207043	0.660	0.700	11.350	10.902	11.271	1	NO
207060	0.800	0.780	9.634	9.911	10.248	1	NO
207070	0.740	0.770	10.427	10.045	10.385	1	NO
207075	0.590	0.580	12.090	12.192	12.602	1	NO
207144	0.770	0.770	10.045	10.045	10.385	1	NO
207200	0.560	0.600	12.396	11.987	12.390	1	NO
207209	0.780	0.790	9.911	9.774	10.106	1	NO
207514	0.590	0.620	12.090	11.778	12.175	1	NO
207648	0.480	0.550	13.201	12.497	12.917	1	NO
207742	0.458	0.553	13.427	12.472	12.891	4	NO
217432	0.398	0.533	14.039	12.674	13.099	4	NO
221523	0.730	0.740	10.549	10.427	10.780	1	NO

Appendix A

Table A11: MCAS 2006–2007 Mathematics Grade 6

IREF	OLDP	NEWP	OLDDDELTA	NEWDELTA	LINE	MAX	DISCARD
217539	0.830	0.820	9.183	9.339	9.553	1	NO
217646	0.568	0.610	12.320	11.883	12.107	4	NO
226187	0.760	0.780	10.175	9.911	10.128	1	NO
226191	0.770	0.800	10.045	9.634	9.849	1	NO
227424	0.710	0.760	10.787	10.175	10.392	1	NO
227430	0.640	0.650	11.566	11.459	11.681	1	NO
227450	0.560	0.620	12.396	11.778	12.002	1	NO
227473	0.710	0.750	10.787	10.302	10.520	1	NO
227492	0.860	0.870	8.679	8.494	8.705	1	NO
227497	0.660	0.730	11.350	10.549	10.768	1	NO
227514	0.650	0.690	11.459	11.017	11.238	1	NO
227529	0.770	0.820	10.045	9.339	9.553	1	NO
227535	0.660	0.660	11.350	11.350	11.572	1	NO
227537	0.740	0.760	10.427	10.175	10.392	1	NO
227704	0.810	0.850	9.488	8.854	9.066	1	NO
227709	0.830	0.830	9.183	9.183	9.397	1	NO
227711	0.385	0.375	14.170	14.275	14.509	4	NO
227715	0.510	0.490	12.900	13.100	13.330	1	NO
227717	0.610	0.640	11.883	11.566	11.789	1	NO
227718	0.800	0.830	9.634	9.183	9.397	1	NO
227720	0.830	0.790	9.183	9.774	9.990	1	NO
227721	0.920	0.910	7.380	7.637	7.844	1	NO
227723	0.505	0.505	12.950	12.950	13.179	4	NO
227728	0.670	0.620	11.240	11.778	12.002	1	NO
227732	0.610	0.620	11.883	11.778	12.002	1	NO
227737	0.640	0.640	11.566	11.566	11.789	1	NO
227740	0.650	0.660	11.459	11.350	11.572	1	NO
227743	0.760	0.800	10.175	9.634	9.849	1	NO
229744	0.740	0.770	10.427	10.045	10.262	1	NO
229754	0.510	0.583	12.900	12.167	12.392	4	NO
229823	0.690	0.740	11.017	10.427	10.645	1	NO
229832	0.810	0.810	9.488	9.488	9.703	1	NO
229874	0.780	0.770	9.911	10.045	10.262	1	NO
229881	0.680	0.730	11.129	10.549	10.768	1	NO
229889	0.770	0.760	10.045	10.175	10.392	1	NO
229915	0.790	0.820	9.774	9.339	9.553	1	NO
229924	0.750	0.750	10.302	10.302	10.520	1	NO
229927	0.750	0.770	10.302	10.045	10.262	1	NO
229936	0.678	0.695	11.157	10.960	11.180	4	NO

Table A12: MCAS 2006–2007 Mathematics Grade 7

IREF	OLDP	NEWP	OLDDDELTA	NEWDDELTA	LINE	MAX	DISCARD
198389	0.520	0.530	12.799	12.699	13.115	1	NO
198393	0.510	0.530	12.900	12.699	13.115	1	NO
198433	0.548	0.583	12.523	12.167	12.550	4	NO
205216	0.610	0.630	11.883	11.673	12.026	1	NO
205219	0.540	0.590	12.598	12.090	12.469	1	NO
205230	0.570	0.640	12.295	11.566	11.914	1	NO
205232	0.520	0.540	12.799	12.598	13.008	1	NO
205239	0.590	0.610	12.090	11.883	12.249	1	NO
205366	0.780	0.800	9.911	9.634	9.865	1	NO
205414	0.500	0.540	13.000	12.598	13.008	1	NO
205451	0.650	0.660	11.459	11.350	11.685	1	NO
205464	0.510	0.590	12.900	12.090	12.469	1	NO
205475	0.490	0.540	13.100	12.598	13.008	1	NO
205493	0.710	0.720	10.787	10.669	10.962	1	NO
205504	0.670	0.720	11.240	10.669	10.962	1	NO
205584	0.670	0.690	11.240	11.017	11.331	1	NO
205585	0.720	0.740	10.669	10.427	10.705	1	NO
205589	0.700	0.720	10.902	10.669	10.962	1	NO
205627	0.570	0.590	12.295	12.090	12.469	1	NO
205646	0.433	0.480	13.680	13.201	13.646	4	NO
205689	0.533	0.595	12.674	12.038	12.414	4	NO
205696	0.438	0.453	13.629	13.477	13.940	4	NO
208381	0.870	0.880	8.494	8.300	8.451	1	NO
208400	0.480	0.530	13.201	12.699	13.115	1	NO
208417	0.760	0.740	10.175	10.427	10.705	1	NO
208497	0.710	0.710	10.787	10.787	11.087	1	NO
208505	0.820	0.850	9.339	8.854	9.038	1	NO
208512	0.700	0.690	10.902	11.017	11.331	1	NO
208528	0.740	0.790	10.427	9.774	10.014	1	NO
208544	0.780	0.810	9.911	9.488	9.711	1	NO
208618	0.520	0.590	12.799	12.090	12.469	1	NO
208656	0.810	0.830	9.488	9.183	9.387	1	NO
208691	0.870	0.850	8.494	8.854	9.038	1	NO
208698	0.618	0.663	11.804	11.323	11.656	4	NO
208708	0.640	0.680	11.566	11.129	11.450	1	NO
208710	0.580	0.660	12.192	11.350	11.685	1	NO
208772	0.710	0.760	10.787	10.175	10.438	1	NO
208790	0.610	0.630	11.883	11.673	12.026	1	NO
219476	0.600	0.620	11.987	11.778	12.138	1	NO

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Table A13: MCAS 2006–2007 Mathematics Grade 8

IREF	OLDP	NEWP	OLDDDELTA	NEWDELTA	LINE	MAX	DISCARD
219579	0.870	0.890	8.494	8.094	8.320	1	NO
219599	0.500	0.540	13.000	12.598	12.842	1	NO
219628	0.860	0.880	8.679	8.300	8.527	1	NO
219722	0.388	0.430	14.143	13.706	13.953	4	NO
226912	0.450	0.500	13.503	13.000	13.245	1	NO
226913	0.698	0.695	10.931	10.960	11.197	4	NO
226927	0.590	0.650	12.090	11.459	11.698	1	NO
226933	0.450	0.470	13.503	13.301	13.547	1	NO
226936	0.750	0.740	10.302	10.427	10.662	1	NO
226976	0.760	0.770	10.175	10.045	10.278	1	NO
226984	0.710	0.740	10.787	10.427	10.662	1	NO
227750	0.330	0.370	14.760	14.327	14.577	1	NO
227753	0.540	0.510	12.598	12.900	13.144	1	NO
227787	0.390	0.330	14.117	14.760	15.011	1	YES
227801	0.570	0.590	12.295	12.090	12.331	1	NO
227803	0.860	0.850	8.679	8.854	9.084	1	NO
227807	0.560	0.560	12.396	12.396	12.639	1	NO
227808	0.600	0.610	11.987	11.883	12.124	1	NO
227811	0.460	0.450	13.402	13.503	13.750	1	NO
227812	0.370	0.370	14.327	14.327	14.577	1	NO
227814	0.670	0.690	11.240	11.017	11.254	1	NO
227819	0.600	0.660	11.987	11.350	11.589	1	NO
227820	0.310	0.340	14.983	14.650	14.901	1	NO
227822	0.280	0.288	15.331	15.243	15.496	4	NO
227825	0.530	0.550	12.699	12.497	12.740	1	NO
227830	0.560	0.580	12.396	12.192	12.434	1	NO
227832	0.590	0.620	12.090	11.778	12.018	1	NO
227833	0.850	0.840	8.854	9.022	9.252	1	NO
227834	0.590	0.670	12.090	11.240	11.479	1	NO
228132	0.730	0.743	10.549	10.396	10.631	4	NO
228257	0.550	0.620	12.497	11.778	12.018	1	NO
228534	0.530	0.560	12.699	12.396	12.639	1	NO
228714	0.520	0.570	12.799	12.295	12.537	1	NO
228775	0.510	0.570	12.900	12.295	12.537	1	NO
229523	0.540	0.570	12.598	12.295	12.537	1	NO
229596	0.470	0.530	13.301	12.699	12.943	1	NO
229610	0.660	0.670	11.350	11.240	11.479	1	NO
229646	0.513	0.545	12.875	12.548	12.791	4	NO
229646	0.493	0.545	13.075	12.548	12.791	4	NO
243892	0.490	0.490	13.100	13.100	13.346	1	NO

Table A14: MCAS 2006–2007 Mathematics Grade 10

IREF	OLDP	NEWP	OLDDDELTA	NEWDELTA	LINE	MAX	DISCARD
227865	0.390	0.380	14.117	14.222	14.345	1	NO
227865	0.390	0.370	14.117	14.327	14.444	1	NO
227869	0.650	0.620	11.459	11.778	12.052	1	NO
227869	0.620	0.620	11.778	11.778	12.052	1	NO
227872	0.690	0.670	11.017	11.240	11.547	1	NO
227872	0.690	0.640	11.017	11.566	11.853	1	NO
227875	0.510	0.590	12.900	12.090	12.344	1	NO
227875	0.540	0.610	12.598	11.883	12.150	1	NO
227879	0.430	0.450	13.706	13.503	13.670	1	NO
227879	0.450	0.440	13.503	13.604	13.765	1	NO
227880	0.350	0.390	14.541	14.117	14.247	1	NO
227880	0.380	0.390	14.222	14.117	14.247	1	NO
227888	0.540	0.550	12.598	12.497	12.727	1	NO
227888	0.520	0.570	12.799	12.295	12.536	1	NO
227903	0.340	0.350	14.650	14.541	14.645	1	NO
227903	0.350	0.360	14.541	14.434	14.544	1	NO
227905	0.290	0.290	15.214	15.214	15.276	1	NO
227905	0.280	0.310	15.331	14.983	15.060	1	NO
227915	0.560	0.630	12.396	11.673	11.953	1	NO
227915	0.550	0.640	12.497	11.566	11.853	1	NO
227918	0.370	0.350	14.327	14.541	14.645	1	NO
227918	0.360	0.360	14.434	14.434	14.544	1	NO
227925	0.600	0.680	11.987	11.129	11.443	1	NO
227925	0.590	0.730	12.090	10.549	10.898	1	NO
227929	0.350	0.420	14.541	13.808	13.956	1	NO
227929	0.380	0.390	14.222	14.117	14.247	1	NO
227936	0.570	0.590	12.295	12.090	12.344	1	NO
227936	0.560	0.580	12.396	12.192	12.441	1	NO
227950	0.530	0.540	12.699	12.598	12.821	1	NO
227950	0.530	0.530	12.699	12.699	12.916	1	NO
227952	0.530	0.560	12.699	12.396	12.632	1	NO
227952	0.530	0.580	12.699	12.192	12.441	1	NO
227955	0.380	0.370	14.222	14.327	14.444	1	NO
227955	0.370	0.370	14.327	14.327	14.444	1	NO
227957	0.620	0.590	11.778	12.090	12.344	1	NO
227957	0.610	0.610	11.883	11.883	12.150	1	NO
227958	0.455	0.490	13.452	13.100	13.292	4	NO
227958	0.458	0.498	13.427	13.025	13.222	4	NO
228023	0.590	0.580	12.090	12.192	12.441	1	NO
228023	0.530	0.560	12.699	12.396	12.632	1	NO
228044	0.360	0.380	14.434	14.222	14.345	1	NO
228044	0.350	0.350	14.541	14.541	14.645	1	NO
229533	0.460	0.490	13.402	13.100	13.292	1	NO
229533	0.460	0.500	13.402	13.000	13.198	1	NO
229564	0.423	0.425	13.782	13.757	13.908	4	NO
229564	0.388	0.433	14.143	13.680	13.837	4	NO
229618	0.725	0.780	10.609	9.911	10.300	4	NO
229618	0.710	0.778	10.787	9.945	10.332	4	NO
229625	0.530	0.520	12.699	12.799	13.010	1	NO
229625	0.530	0.530	12.699	12.699	12.916	1	NO
229645	0.545	0.540	12.548	12.598	12.821	4	NO
229645	0.538	0.540	12.624	12.598	12.821	4	NO
229654	0.470	0.520	13.301	12.799	13.010	1	NO
229654	0.470	0.520	13.301	12.799	13.010	1	NO
229675	0.810	0.820	9.488	9.339	9.763	1	NO
229675	0.770	0.830	10.045	9.183	9.617	1	NO

(cont.)

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Table A14: MCAS 2006–2007 Mathematics Grade 10 (cont.)

IREF	OLDP	NEWP	OLDDDELTA	NEWDELTA	LINE	MAX	DISCARD
229676	0.460	0.480	13.402	13.201	13.387	1	NO
229676	0.470	0.480	13.301	13.201	13.387	1	NO
229736	0.420	0.460	13.808	13.402	13.575	1	NO
229736	0.420	0.460	13.808	13.402	13.575	1	NO
229740	0.380	0.390	14.222	14.117	14.247	1	NO
229740	0.370	0.390	14.327	14.117	14.247	1	NO
229932	0.500	0.490	13.000	13.100	13.292	1	NO
229932	0.470	0.460	13.301	13.402	13.575	1	NO
229964	0.630	0.660	11.673	11.350	11.650	1	NO
229964	0.630	0.660	11.673	11.350	11.650	1	NO
230072	0.380	0.390	14.222	14.117	14.247	1	NO
230072	0.370	0.390	14.327	14.117	14.247	1	NO
254553	0.250	0.395	15.698	14.065	14.198	4	NO
254553	0.378	0.408	14.248	13.936	14.077	4	NO
254604	0.440	0.350	13.604	14.541	14.645	1	NO
254604	0.440	0.370	13.604	14.327	14.444	1	NO
254671	0.490	0.500	13.100	13.000	13.198	1	NO
254671	0.490	0.510	13.100	12.900	13.104	1	NO
254674	0.490	0.490	13.100	13.100	13.292	1	NO
254674	0.490	0.480	13.100	13.201	13.387	1	NO
254820	0.480	0.470	13.201	13.301	13.481	1	NO
254820	0.480	0.460	13.201	13.402	13.575	1	NO
254846	0.530	0.520	12.699	12.799	13.010	1	NO
254846	0.530	0.520	12.699	12.799	13.010	1	NO
262249	0.398	0.458	14.039	13.427	13.599	4	NO
262249	0.398	0.443	14.039	13.579	13.741	4	NO

Table A15: MCAS 2006–2007 Science and Technology/Engineering Grade 5

IREF	OLDP	NEWP	OLDDDELTA	NEWDELTA	LINE	MAX	DISCARD
227352	0.710	0.670	10.787	11.240	11.347	1	NO
227356	0.500	0.520	13.000	12.799	12.938	1	NO
227823	0.590	0.620	12.090	11.778	11.896	1	NO
227828	0.600	0.630	11.987	11.673	11.788	4	NO
227831	0.800	0.790	9.634	9.774	9.852	1	NO
227837	0.710	0.740	10.787	10.427	10.517	1	NO
227839	0.770	0.800	10.045	9.634	9.708	1	NO
227841	0.860	0.850	8.679	8.854	8.913	1	NO
227843	0.478	0.473	13.226	13.276	13.424	4	NO
227856	0.640	0.630	11.566	11.673	11.788	1	NO
227858	0.680	0.690	11.129	11.017	11.119	1	NO
227859	0.850	0.880	8.854	8.300	8.348	1	NO
227863	0.550	0.540	12.497	12.598	12.732	1	NO
227866	0.770	0.780	10.045	9.911	9.991	1	NO
227883	0.800	0.820	9.634	9.339	9.407	1	NO
228993	0.560	0.620	12.396	11.778	11.896	1	NO
229048	0.720	0.770	10.669	10.045	10.127	1	NO
229060	0.495	0.483	13.050	13.176	13.321	4	NO
229097	0.540	0.560	12.598	12.396	12.526	1	NO
229126	0.730	0.710	10.549	10.787	10.884	1	NO
229139	0.510	0.510	12.900	12.900	13.040	1	NO
229157	0.890	0.870	8.094	8.494	8.546	1	NO
229266	0.720	0.740	10.669	10.427	10.517	1	NO
229272	0.605	0.568	11.935	12.320	12.448	4	NO
229312	0.470	0.570	13.301	12.295	12.423	1	YES
229326	0.920	0.910	7.380	7.637	7.671	1	NO
245091	0.548	0.553	12.523	12.472	12.604	4	NO
245343	0.840	0.860	9.022	8.679	8.734	1	NO
245362	0.800	0.810	9.634	9.488	9.560	1	NO
245372	0.780	0.790	9.911	9.774	9.852	1	NO
245463	0.920	0.930	7.380	7.097	7.120	1	NO
245485	0.760	0.740	10.175	10.427	10.517	1	NO
245494	0.880	0.860	8.300	8.679	8.734	1	NO
245514	0.750	0.740	10.302	10.427	10.517	1	NO
245524	0.820	0.830	9.339	9.183	9.249	1	NO
245538	0.780	0.790	9.911	9.774	9.852	1	NO
245539	0.690	0.670	11.017	11.240	11.347	1	NO
253115	0.790	0.800	9.774	9.634	9.708	1	NO
253150	0.750	0.770	10.302	10.045	10.127	1	NO

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Science and Technology/Engineering

Table A16: MCAS 2006–2007 Science and Technology/Engineering Grade 8

IREF	OLDP	NEWP	OLDDelta	NEWDelta	LINE	MAX	DISCARD
227899	0.6	0.62	11.9866	11.7781	11.8012	1	NO
227910	0.76	0.77	10.1748	10.0446	10.0732	1	NO
227911	0.4625	0.4625	13.3765	13.3765	13.3946	4	NO
227927	0.68	0.67	11.1292	11.2403	11.2651	1	NO
227935	0.65	0.58	11.4587	12.1924	12.2142	1	NO
227942	0.56	0.64	12.3961	11.5662	11.5899	1	NO
227944	0.77	0.73	10.0446	10.5487	10.5757	1	NO
227949	0.69	0.69	11.0166	11.0166	11.0421	1	NO
227954	0.4075	0.39	13.9359	14.1173	14.133	4	NO
227961	0.73	0.74	10.5487	10.4266	10.454	1	NO
227971	0.68	0.71	11.1292	10.7865	10.8127	1	NO
227980	0.71	0.7	10.7865	10.9024	10.9282	1	NO
227985	0.52	0.57	12.7994	12.2945	12.316	1	NO
227986	0.63	0.59	11.6726	12.0898	12.1119	1	NO
229335	0.67	0.7	11.2403	10.9024	10.9282	1	NO
229349	0.71	0.72	10.7865	10.6686	10.6952	1	NO
229370	0.64	0.63	11.5662	11.6726	11.696	1	NO
229371	0.64	0.69	11.5662	11.0166	11.0421	1	NO
229375	0.44	0.42	13.6039	13.8076	13.8243	1	NO
229382	0.75	0.75	10.302	10.302	10.3298	1	NO
229393	0.25	0.3	15.698	15.0976	15.1102	1	NO
229394	0.53	0.56	12.6989	12.3961	12.4173	1	NO
229401	0.8	0.81	9.6335	9.4884	9.5187	1	NO
229404	0.6	0.58	11.9866	12.1924	12.2142	1	NO
229405	0.47	0.48	13.3011	13.2006	13.2192	1	NO
229421	0.82	0.87	9.3385	8.4944	8.5279	1	NO
229437	0.67	0.64	11.2403	11.5662	11.5899	1	NO
229451	0.73	0.71	10.5487	10.7865	10.8127	1	NO
229454	0.82	0.83	9.3385	9.1833	9.2146	1	NO
229455	0.5725	0.565	12.269	12.3454	12.3667	4	NO
229478	0.48	0.455	13.2006	13.4522	13.47	4	NO
229491	0.74	0.69	10.4266	11.0166	11.0421	1	NO
246325	0.62	0.6075	11.7781	11.9088	11.9314	4	NO
246330	0.46	0.44	13.4017	13.6039	13.6212	1	NO
246345	0.8	0.79	9.6335	9.7743	9.8037	1	NO
246368	0.51	0.47	12.8997	13.3011	13.3194	1	NO
246373	0.46	0.47	13.4017	13.3011	13.3194	1	NO
246378	0.81	0.8	9.4884	9.6335	9.6634	1	NO
252744	0.52	0.58	12.7994	12.1924	12.2142	1	NO

Table A17: MCAS 2006–2007 Biology High School

IREF	OLDP	NEWP	OLDDDELTA	NEWDELTA	LINE	MAX	DISCARD
208018	0.340	0.410	14.650	13.910	14.332	1	NO
208046	0.500	0.580	13.000	12.192	12.669	1	NO
208107	0.470	0.490	13.301	13.100	13.548	1	NO
208149	0.580	0.630	12.192	11.673	12.166	1	NO
209062	0.640	0.710	11.566	10.787	11.308	1	NO
219748	0.820	0.840	9.339	9.022	9.600	1	NO
219758	0.670	0.700	11.240	10.902	11.420	1	NO
219759	0.490	0.570	13.100	12.295	12.768	1	NO
219764	0.500	0.530	13.000	12.699	13.159	1	NO
219776	0.315	0.305	14.927	15.040	15.426	4	NO
221554	0.680	0.680	11.129	11.129	11.640	1	NO
221904	0.370	0.405	14.327	13.962	14.382	4	NO
221912	0.420	0.460	13.808	13.402	13.840	1	NO
222034	0.580	0.620	12.192	11.778	12.268	1	NO
222192	0.313	0.333	14.955	14.732	15.128	4	NO
222215	0.610	0.680	11.883	11.129	11.640	1	NO
222224	0.320	0.350	14.871	14.541	14.943	1	NO
222365	0.520	0.530	12.799	12.699	13.159	1	NO
222367	0.500	0.500	13.000	13.000	13.451	1	NO
229358	0.760	0.860	10.175	8.679	9.267	1	NO
229424	0.620	0.670	11.778	11.240	11.747	1	NO
229470	0.340	0.440	14.650	13.604	14.036	1	NO
230195	0.480	0.510	13.201	12.900	13.354	1	NO
230208	0.380	0.420	14.222	13.808	14.233	1	NO
230214	0.730	0.720	10.549	10.669	11.194	1	NO
230229	0.630	0.720	11.673	10.669	11.194	1	NO
230244	0.820	0.890	9.339	8.094	8.701	1	NO
230248	0.450	0.520	13.503	12.799	13.257	1	NO
230256	0.540	0.560	12.598	12.396	12.866	1	NO
230261	0.650	0.720	11.459	10.669	11.194	1	NO
230269	0.770	0.770	10.045	10.045	10.590	1	NO
230295	0.630	0.630	11.673	11.673	12.166	1	NO
230306	0.410	0.460	13.910	13.402	13.840	1	NO
230316	0.438	0.490	13.629	13.100	13.548	4	NO
230346	0.580	0.560	12.192	12.396	12.866	1	NO
241784	0.610	0.670	11.883	11.240	11.747	1	NO
241785	0.460	0.580	13.402	12.192	12.669	1	NO
241787	0.470	0.570	13.301	12.295	12.768	1	NO
241793	0.370	0.460	14.327	13.402	13.840	1	NO
241794	0.350	0.410	14.541	13.910	14.332	1	NO
241801	0.648	0.570	11.486	12.295	12.768	4	YES
244284	0.680	0.700	11.129	10.902	11.420	1	NO
244288	0.530	0.540	12.699	12.598	13.062	1	NO
251003	0.500	0.610	13.000	11.883	12.369	1	NO
251048	0.510	0.580	12.900	12.192	12.669	1	NO

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Table A18: MCAS 2006–2007 Chemistry High School

IREF	OLDP	NEWP	OLDDDELTA	NEWDELTA	LINE	MAX	DISCARD
206662	0.770	0.650	10.045	11.459	11.832	1	YES
206666	0.620	0.650	11.778	11.459	11.832	1	NO
208285	0.540	0.680	12.598	11.129	11.509	1	NO
226409	0.580	0.590	12.192	12.090	12.448	1	NO
226974	0.620	0.600	11.778	11.987	12.348	1	NO
226985	0.450	0.480	13.503	13.201	13.534	1	NO
226988	0.700	0.730	10.902	10.549	10.942	1	NO
226997	0.510	0.560	12.900	12.396	12.748	1	NO
226999	0.800	0.740	9.634	10.427	10.823	1	NO
229235	0.520	0.590	12.799	12.090	12.448	1	NO
229237	0.460	0.500	13.402	13.000	13.338	1	NO
229260	0.620	0.760	11.778	10.175	10.576	1	NO
229262	0.390	0.450	14.117	13.503	13.830	1	NO
229311	0.210	0.280	16.226	15.331	15.617	1	NO
229331	0.430	0.440	13.706	13.604	13.928	1	NO
229340	0.660	0.700	11.350	10.902	11.288	1	NO
229493	0.450	0.470	13.503	13.301	13.632	1	NO
229497	0.600	0.620	11.987	11.778	12.144	1	NO
229501	0.640	0.700	11.566	10.902	11.288	1	NO
229504	0.560	0.590	12.396	12.090	12.448	1	NO
229517	0.750	0.830	10.302	9.183	9.607	1	NO
229534	0.370	0.390	14.327	14.117	14.430	1	NO
229547	0.300	0.340	15.098	14.650	14.951	1	NO
229556	0.730	0.840	10.549	9.022	9.450	1	NO
229583	0.400	0.470	14.013	13.301	13.632	1	NO
229587	0.390	0.400	14.117	14.013	14.329	1	NO
229666	0.470	0.520	13.301	12.799	13.142	1	NO
229678	0.700	0.770	10.902	10.045	10.449	1	NO
229679	0.310	0.290	14.983	15.214	15.502	1	NO
229770	0.470	0.460	13.301	13.402	13.731	1	NO
229781	0.480	0.580	13.201	12.192	12.549	1	NO
230373	0.550	0.530	12.497	12.699	13.044	1	NO
230419	0.540	0.630	12.598	11.673	12.041	1	NO
251552	0.648	0.608	11.486	11.909	12.271	4	NO
251803	0.620	0.650	11.778	11.459	11.832	1	NO
251804	0.620	0.680	11.778	11.129	11.509	1	NO
252016	0.360	0.370	14.434	14.327	14.636	1	NO
252064	0.680	0.690	11.129	11.017	11.399	1	NO
252068	0.313	0.355	14.955	14.487	14.792	4	NO
252153	0.400	0.440	14.013	13.604	13.928	1	NO
253239	0.660	0.600	11.350	11.987	12.348	1	NO
253953	0.358	0.373	14.461	14.301	14.610	4	NO

Table A19: MCAS 2006–2007 Introductory Physics High School

IREF	OLDP	NEWP	OLDDDELTA	NEWDELTA	LINE	MAX	DISCARD
207983	0.480	0.540	13.201	12.598	13.555	1	NO
208331	0.430	0.500	13.706	13.000	13.913	1	NO
208334	0.570	0.630	12.295	11.673	12.732	1	NO
210933	0.520	0.600	12.799	11.987	13.012	1	NO
226031	0.490	0.550	13.100	12.497	13.466	1	NO
226037	0.490	0.590	13.100	12.090	13.103	1	NO
226047	0.550	0.680	12.497	11.129	12.249	1	NO
226050	0.418	0.548	13.833	12.523	13.488	4	NO
226057	0.440	0.540	13.604	12.598	13.555	1	NO
226114	0.290	0.340	15.214	14.650	15.380	1	NO
226116	0.550	0.680	12.497	11.129	12.249	1	NO
226127	0.320	0.450	14.871	13.503	14.360	1	NO
226225	0.620	0.750	11.778	10.302	11.514	1	NO
226710	0.580	0.650	12.192	11.459	12.542	1	NO
226734	0.510	0.590	12.900	12.090	13.103	1	NO
226762	0.570	0.740	12.295	10.427	11.625	1	NO
226774	0.660	0.830	11.350	9.183	10.519	1	NO
226782	0.370	0.440	14.327	13.604	14.450	1	NO
226848	0.410	0.560	13.910	12.396	13.376	1	NO
226867	0.640	0.750	11.566	10.302	11.514	1	NO
226871	0.270	0.345	15.451	14.595	15.331	4	NO
230364	0.680	0.760	11.129	10.175	11.401	1	NO
230379	0.340	0.540	14.650	12.598	13.555	1	NO
230440	0.520	0.490	12.799	13.100	14.002	1	NO
230564	0.540	0.670	12.598	11.240	12.348	1	NO
230689	0.420	0.480	13.808	13.201	14.091	1	NO
230730	0.710	0.710	10.787	10.787	11.945	1	NO
230808	0.440	0.660	13.604	11.350	12.446	1	NO
241699	0.520	0.550	12.799	12.497	13.466	1	NO
241710	0.610	0.670	11.883	11.240	12.348	1	NO
246573	0.420	0.510	13.808	12.900	13.823	1	NO
246576	0.373	0.465	14.301	13.351	14.225	4	NO
246578	0.353	0.483	14.514	13.176	14.069	4	NO
251737	0.280	0.280	15.331	15.331	15.986	1	NO
251743	0.690	0.780	11.017	9.911	11.166	1	NO
251744	0.610	0.660	11.883	11.350	12.446	1	NO
251747	0.380	0.500	14.222	13.000	13.913	1	NO
251771	0.460	0.520	13.402	12.799	13.734	1	NO
251772	0.630	0.770	11.673	10.045	11.285	1	NO
251781	0.720	0.830	10.669	9.183	10.519	1	NO
252041	0.360	0.420	14.434	13.808	14.631	1	NO
252042	0.680	0.800	11.129	9.634	10.919	1	NO
252043	0.650	0.770	11.459	10.045	11.285	1	NO
252044	0.333	0.475	14.732	13.251	14.136	4	NO
253604	0.570	0.640	12.295	11.566	12.638	1	NO

Appendix A

Table A20: MCAS 2006–2007 Technology/Engineering High School

IREF	OLDP	NEWP	OLDDDELTA	NEWDELTA	LINE	MAX	DISCARD
206620	0.550	0.590	12.497	12.090	12.677	1	NO
206786	0.710	0.720	10.787	10.669	11.415	1	NO
208121	0.630	0.680	11.673	11.129	11.824	1	NO
209204	0.650	0.750	11.459	10.302	11.090	1	NO
215985	0.405	0.375	13.962	14.275	14.617	4	NO
221549	0.490	0.510	13.100	12.900	13.396	1	NO
221572	0.520	0.590	12.799	12.090	12.677	1	NO
221602	0.500	0.540	13.000	12.598	13.129	1	NO
221653	0.480	0.510	13.201	12.900	13.396	1	NO
221680	0.620	0.810	11.778	9.488	10.367	1	NO
221686	0.430	0.550	13.706	12.497	13.039	1	NO
221717	0.600	0.750	11.987	10.302	11.090	1	NO
221729	0.530	0.660	12.699	11.350	12.020	1	NO
221732	0.490	0.580	13.100	12.192	12.768	1	NO
221742	0.510	0.590	12.900	12.090	12.677	1	NO
221767	0.420	0.450	13.808	13.503	13.932	1	NO
221972	0.540	0.640	12.598	11.566	12.212	1	NO
221991	0.590	0.630	12.090	11.673	12.307	1	NO
221998	0.440	0.520	13.604	12.799	13.307	1	NO
230806	0.480	0.520	13.201	12.799	13.307	1	NO
230825	0.590	0.660	12.090	11.350	12.020	1	NO
230853	0.710	0.770	10.787	10.045	10.861	1	NO
230881	0.630	0.620	11.673	11.778	12.400	1	NO
230915	0.550	0.510	12.497	12.900	13.396	1	NO
230947	0.590	0.630	12.090	11.673	12.307	1	NO
230955	0.730	0.750	10.549	10.302	11.090	1	NO
230963	0.590	0.570	12.090	12.295	12.859	1	NO
231136	0.650	0.560	11.459	12.396	12.949	1	NO
240136	0.480	0.550	13.201	12.497	13.039	1	NO
240139	0.680	0.710	11.129	10.787	11.520	1	NO
251728	0.600	0.600	11.987	11.987	12.585	1	NO
251730	0.353	0.540	14.514	12.598	13.129	4	NO
251731	0.380	0.420	14.222	13.808	14.202	1	NO
251760	0.510	0.680	12.900	11.129	11.824	1	NO
251770	0.550	0.640	12.497	11.566	12.212	1	NO
252781	0.480	0.480	13.201	13.201	13.663	1	NO
252782	0.570	0.680	12.295	11.129	11.824	1	NO