

Appendix G—ITEM RESPONSE THEORY CALIBRATION RESULTS

Table G-1. 2009 MEPA: Item Response Theory Calibration Results—Grade Span K–2

<i>Item</i>	<i>Points</i>	<i>A</i>	<i>B</i>	<i>D1</i>	<i>D2</i>	<i>D3</i>	<i>D4</i>	<i>D5</i>
112768R	1	1	-3.0932					
112789R	1	1	-2.7776					
112881R	1	1	-2.8883					
112889R	1	1	-2.0753					
112893R	1	1	-2.0312					
113004R	1	1	-1.9483					
113213R	1	1	-0.9443					
113018R	1	1	-0.7582					
112824R	1	1	-1.0819					
112606R	1	1	-1.3530					
113276R	1	1	-1.3024					
113226R	1	1	-0.9076					
112456R	1	1	-1.4171					
112458R	1	1	-1.4993					
112980R	1	1	-1.1927					
112842R	1	1	-1.6557					
113231R	1	1	-0.6410					
113055R	1	1	-0.7201					
113073R	1	1	-0.4410					
114176R	1	1	-0.7770					
113243R	1	1	-0.0197					
113241R	1	1	0.7165					
113242R	1	1	0.3125					
113076R	1	1	0.0833					
113078R	1	1	0.4718					
113099R	1	1	0.0393					
115262W	1	1	0.0188					
113115W	1	1	0.0649					
117200R	1	1	-0.2604					
117216R	1	1	-0.6202					
112828W	1	1	-1.3730					
112826W	1	1	-1.1927					
112832W	1	1	-1.7348					
117171W	1	1	-0.1041					
117167W	1	1	0.0826					
117142W	1	1	0.1834					
113116W	1	1	0.1982					
112838W	2	1	-0.5531	0.2900	-0.2900			
153492W	2	1	-0.3501	0.0212	-0.0212			
117186W	2	1	-0.5257	0.3076	-0.3076			
112695W	2	1	-0.6889	0.2438	-0.2438			
113158W	2	1	-0.3150	0.3553	-0.3553			
117158W	2	1	-0.0864	0.3119	-0.3119			
117189W	3	1	0.8767	2.0707	-0.0100	-2.0607		
117181W	3	1	0.8244	1.8129	0.2208	-2.0336		
116728W	3	1	1.1882	1.9740	-0.0739	-1.9001		
10001L	5	1	-0.9828	1.4486	0.8329	0.3080	-0.7742	-1.8152
10002F	5	1	-0.7664	1.5515	0.7755	0.1833	-0.7352	-1.7751
10003V	5	1	-0.7254	1.5515	0.9316	0.3381	-0.9095	-1.9116
10004P	5	1	-0.7966	1.3382	1.0079	0.2366	-0.8004	-1.7824
10005G	5	1	-0.6256	1.4967	1.0425	0.0672	-0.7731	-1.8334

Table G-2. 2009 MEPA: Item Response Theory Calibration Results— Grade Span 3–4

<i>Item</i>	<i>Points</i>	<i>A</i>	<i>B</i>	<i>D1</i>	<i>D2</i>	<i>D3</i>	<i>D4</i>	<i>D5</i>
110952R	1	1.2059	-3.3585					
110880R	1	1.0132	-3.4391					
111223R	1	0.8333	-2.2465					
110961R	1	0.6645	-1.8190					
110956R	1	0.5908	-1.8722					
111027R	1	0.6534	-1.7475					
111218R	1	0.6116	-1.3802					
110890R	1	0.5417	-3.2011					
111030R	1	0.8821	-2.3036					
110971R	1	0.3803	-1.6637					
111044R	1	0.7685	-1.4437					
110974R	1	0.3452	-1.6608					
111048R	1	1.0276	-1.6397					
110980R	1	0.9615	-1.4702					
111138R	1	0.6087	-1.2872					
110900R	1	0.6446	-1.5557					
111142R	1	0.7107	-1.3299					
110913R	1	0.5965	-0.9375					
110976W	1	0.6349	-2.2596					
111029W	1	0.5337	-1.9217					
111091W	1	0.8412	-1.5769					
110934W	1	0.5209	-1.0005					
111096W	1	0.6798	-1.2365					
111042W	1	0.5895	-0.7529					
110950W	1	0.5074	-0.6869					
110943W	1	0.4675	-0.9242					
111249R	1	0.7124	-0.8764					
111061R	1	1.0571	-1.3370					
111253R	1	0.7710	-1.8198					
111257R	1	0.9503	-1.5684					
111062R	1	1.0263	-1.4967					
111231R	1	0.7279	-0.4305					
110989R	1	0.6443	0.3765					
111233R	1	0.6256	0.7214					
111240R	1	0.7732	-1.0339					
110947W	4	0.8345	0.3383	2.8535	0.6529	-1.0765	-2.4299	
110990W	4	0.7503	0.4220	3.4740	0.5472	-1.2453	-2.7759	
111101W	4	0.7071	0.1661	3.5475	0.5930	-1.2381	-2.9024	
110902W	1	1.1644	-2.5656					
110906W	1	1.0058	-2.0751					
110963W	1	0.7928	-2.5577					
110921W	1	0.7685	-1.9771					
110891R	2	0.8162	-2.3783	0.5552	-0.5552			
111133R	2	0.6792	-1.4791	1.0408	-1.0408			
111227R	2	1.1184	-2.3025	0.3185	-0.3185			
111050R	2	0.7741	-0.3737	0.6868	-0.6868			
110916R	2	0.7098	0.6839	1.0915	-1.0915			
110924W	2	0.9889	-1.6596	0.9428	-0.9428			
111073W	2	1.0961	-1.7087	0.7954	-0.7954			
110929W	2	0.9077	-1.1288	0.7269	-0.7269			

continued

<i>Item</i>	<i>Points</i>	<i>A</i>	<i>B</i>	<i>D1</i>	<i>D2</i>	<i>D3</i>	<i>D4</i>	<i>D5</i>
110967W	2	0.7008	0.0663	0.7352	-0.7352			
110926W	2	0.7896	-0.2090	0.7079	-0.7079			
111020W	2	0.9057	-1.5618	1.0181	-1.0181			
110972W	2	0.8020	-1.5394	1.1065	-1.1065			
110931W	2	0.8315	-1.4871	1.0369	-1.0369			
111069R	2	0.8841	0.9377	1.4944	-1.4944			
111243R	4	0.8954	1.1978	1.9019	0.4045	-0.5726	-1.7338	
10001L	5	1.0000	-1.8139	2.3621	1.1690	0.2007	-1.0761	-2.6557
10002F	5	1.0000	-1.5559	2.3673	1.0678	0.2032	-1.0129	-2.6253
10003V	5	1.0000	-1.4707	2.4836	1.2211	0.3024	-1.1689	-2.8383
10004P	5	1.0000	-1.6045	2.3387	1.1764	0.2047	-1.0930	-2.6267
10005G	5	1.0000	-1.3322	2.3798	1.2428	0.1662	-1.0486	-2.7402

Table G-3. 2009 MEPA: Item Response Theory Calibration Results— Grade Span 5–6

<i>Item</i>	<i>Points</i>	<i>A</i>	<i>B</i>	<i>D1</i>	<i>D2</i>	<i>D3</i>	<i>D4</i>	<i>D5</i>
111022R	1	0.8499	-3.2787					
111047R	1	0.7860	-2.3411					
137984R	1	0.0940	3.5031					
111110R	1	0.5266	-1.5613					
111261R	1	0.4068	-2.4342					
111028R	1	0.6580	-2.6301					
111113R	1	0.7228	-1.7422					
111187R	1	0.8967	-2.1654					
137986R	1	0.6144	-3.0462					
110973R	1	0.9942	-1.6912					
111123R	1	0.6052	-1.0559					
110970R	1	0.4162	-1.7599					
111131R	1	0.7677	-1.5990					
110983R	1	0.8023	-0.8118					
111274R	1	0.3815	-0.6246					
111215R	1	0.5808	-1.0060					
111232R	1	0.4814	0.0903					
111230R	1	0.6177	-0.1957					
111060W	1	0.4591	-1.1820					
111013W	1	0.3710	-1.7080					
111014W	1	0.6060	-0.8285					
111016W	1	0.4081	-0.6989					
111112W	1	0.3641	-0.1464					
111114W	1	0.4147	-0.2580					
139318W	1	0.2661	1.3421					
111115W	1	0.8632	-0.4908					
111281R	1	0.5884	0.0409					
111053R	1	0.6622	-0.1919					
111279R	1	0.5822	0.1260					
111277R	1	0.6624	-0.2553					
111282R	1	1.0437	-0.6478					
111000R	1	0.5218	0.4699					
111143R	1	0.7116	-0.3473					
110999R	1	0.6530	-0.5590					
111168R	1	0.6974	-0.4559					
111024W	4	0.9126	-0.1051	2.2381	0.9517	-0.9038	-2.2860	
111117W	4	0.7890	0.5764	3.5026	0.9674	-1.4344	-3.0355	
111098W	4	0.8185	0.2342	2.9741	0.9179	-1.2294	-2.6627	
111002W	1	1.4311	-2.6384					
111076W	1	1.5415	-2.7187					
111004W	1	1.3094	-2.5864					
111034W	1	0.9681	-2.5820					
111190R	2	1.0123	-2.0458	0.5324	-0.5324			
111049R	2	1.2026	-1.1747	0.5852	-0.5852			
110965R	2	0.8741	-1.5040	0.5990	-0.5990			
110986R	2	0.9577	-0.1078	0.7601	-0.7601			
111275R	2	0.7816	0.7574	1.6709	-1.6709			
111104W	2	1.2429	-1.9310	0.8334	-0.8334			
111124W	2	1.2041	-1.7024	0.8795	-0.8795			
111038W	2	0.7368	-2.3349	0.8603	-0.8603			

continued

<i>Item</i>	<i>Points</i>	<i>A</i>	<i>B</i>	<i>D1</i>	<i>D2</i>	<i>D3</i>	<i>D4</i>	<i>D5</i>
111108W	2	0.8268	-2.0189	0.5605	-0.5605			
111039W	2	0.7775	-1.1992	0.8304	-0.8304			
111129W	2	0.9089	-1.6154	0.8947	-0.8947			
111130W	2	0.9203	-1.8691	0.9037	-0.9037			
111010W	2	0.8085	-1.1633	1.2006	-1.2006			
111284R	2	0.7044	0.2200	1.3208	-1.3208			
111175R	4	0.8869	1.2713	1.9049	0.4712	-0.6927	-1.6834	
10001L	5	1.0000	-1.5731	2.2816	1.0534	0.1152	-1.0475	-2.4028
10002F	5	1.0000	-1.3243	2.2565	1.0273	0.0765	-0.9924	-2.3679
10003V	5	1.0000	-1.2641	2.4966	1.1073	0.1794	-1.1402	-2.6430
10004P	5	1.0000	-1.3336	2.3293	1.0900	0.0770	-1.0876	-2.4087
10005G	5	1.0000	-1.1557	2.3862	1.1493	0.0582	-1.0521	-2.5416

Table G-4. 2009 MEPA: Item Response Theory Calibration Results— Grade Span 7–8

<i>Item</i>	<i>Points</i>	<i>A</i>	<i>B</i>	<i>D1</i>	<i>D2</i>	<i>D3</i>	<i>D4</i>	<i>D5</i>
111460R	1	0.8141	-2.8368					
111492R	1	0.9267	-3.2124					
111496R	1	0.6005	-2.4355					
111486R	1	0.5265	-3.3978					
111153R	1	0.5228	-1.1656					
111369R	1	0.2820	-0.1638					
111488R	1	0.4575	-0.2291					
111494R	1	0.2145	-0.7591					
111365R	1	0.2428	-0.6470					
111535R	1	0.9891	-0.8363					
111509R	1	0.5667	-0.5780					
111512R	1	0.6658	-1.1142					
111532R	1	0.3410	-0.4917					
111528R	1	0.6952	-0.8421					
111502R	1	0.3752	0.8481					
111197R	1	0.3914	-0.1931					
111201R	1	0.6325	-0.9336					
111206R	1	0.4697	-0.4753					
111192W	1	0.7137	-1.3754					
111221W	1	0.3777	-2.1228					
111167W	1	0.4635	-1.6164					
111294W	1	0.7168	-2.6227					
111248W	1	0.5184	-0.5892					
111195W	1	0.5483	-0.8217					
111198W	1	0.4459	-0.6343					
111251W	1	0.7304	-0.7189					
111319R	1	0.6703	-0.2837					
111320R	1	0.4393	-0.3054					
111321R	1	0.7733	-0.3573					
111483R	1	0.5659	0.7682					
137575R	1	0.5449	0.4213					
111451R	1	0.5790	-0.7407					
111495R	1	0.7253	0.2898					
111500R	1	0.5879	-0.0747					
111458R	1	0.7366	-0.1287					
111171W	4	0.9395	0.6759	2.6562	0.9112	-0.9592	-2.6082	
111301W	4	0.9705	0.9792	2.6744	1.0579	-0.9557	-2.7765	
111229W	4	0.9251	0.5918	2.5683	1.0418	-0.9287	-2.6813	
111285W	1	1.0274	-2.4638					
111207W	1	1.0922	-2.1791					
111155W	1	0.9904	-1.6120					
111177W	1	0.8909	-2.4210					
111157R	2	0.8534	-1.8339	0.7386	-0.7386			
111466R	2	0.5437	-0.9957	1.5127	-1.5127			
111376R	2	0.6117	-0.4142	1.1155	-1.1155			
111537R	2	0.5642	0.6604	1.5243	-1.5243			
111507R	2	0.6801	0.5021	1.3524	-1.3524			
111212W	2	1.0630	-1.5560	0.8228	-0.8228			
111188W	2	1.2008	-1.1647	0.5417	-0.5417			
111163W	2	0.9215	-1.4725	0.9491	-0.9491			

continued

<i>Item</i>	<i>Points</i>	<i>A</i>	<i>B</i>	<i>D1</i>	<i>D2</i>	<i>D3</i>	<i>D4</i>	<i>D5</i>
111244W	2	0.7876	-1.5603	0.7228	-0.7228			
111291W	2	0.8462	-0.5443	0.6307	-0.6307			
111245W	2	0.9420	-1.0803	1.0487	-1.0487			
111189W	2	0.8903	-0.9090	1.1415	-1.1415			
111292W	2	0.9172	-0.7494	1.1107	-1.1107			
111457R	2	0.5310	0.6084	1.7543	-1.7543			
111506R	4	1.0000	1.6559	1.8430	0.5983	-0.6150	-1.8263	
10001L	5	1.0000	-1.3149	2.3331	1.0808	0.0590	-1.0996	-2.3734
10002F	5	1.0000	-0.9741	2.2694	0.9826	0.0497	-0.9965	-2.3053
10003V	5	1.0000	-0.9235	2.4452	1.1399	0.0931	-1.1389	-2.5393
10004P	5	1.0000	-0.9499	2.3624	1.1337	0.0488	-1.1433	-2.4015
10005G	5	1.0000	-0.8063	2.3958	1.1362	0.0255	-1.0815	-2.4760

Table G-5. 2009 MEPA: Item Response Theory Calibration Results— Grade Span 9–12

<i>Item</i>	<i>Points</i>	<i>A</i>	<i>B</i>	<i>D1</i>	<i>D2</i>	<i>D3</i>	<i>D4</i>	<i>D5</i>
111325R	1	0.9417	-2.2252					
111258R	1	0.9158	-1.4167					
111540R	1	0.4516	-0.5432					
111330R	1	1.1481	-1.6686					
111473R	1	0.6050	-1.4480					
111644R	1	0.6163	-1.6412					
111260R	1	0.4762	-1.4310					
111538R	1	0.8828	-1.1852					
111332R	1	0.5600	-1.1123					
111271R	1	0.6548	-1.1842					
111269R	1	0.8737	-1.0510					
111481R	1	1.0713	-1.0419					
111273R	1	0.6639	-0.5826					
111276R	1	0.4973	0.4662					
111646R	1	0.6151	-0.4299					
111582R	1	0.8145	-0.6087					
111651R	1	0.8129	-0.5286					
111593R	1	0.5851	0.6408					
111314W	1	0.5738	-1.8479					
111315W	1	0.9011	-0.8857					
111316W	1	0.6458	-0.6956					
111450W	1	0.8413	-1.3004					
111452W	1	0.4576	1.4216					
111354W	1	0.8643	0.2799					
111453W	1	0.7760	-0.2439					
111355W	1	0.6161	-0.3513					
111295R	1	0.3503	-0.1765					
111364R	1	0.5368	-0.7818					
111368R	1	0.5283	0.8223					
111372R	1	0.6490	0.0608					
111374R	1	0.7806	0.5276					
111351R	1	0.6411	0.8719					
111346R	1	0.4379	0.9140					
111356R	1	0.3730	0.1682					
111358R	1	0.3951	0.5529					
111317W	4	1.1931	0.2494	1.5538	0.6603	-0.6024	-1.6118	
111383W	4	0.9994	0.3436	1.9974	0.8289	-0.7995	-2.0268	
111318W	4	1.0344	0.4911	1.7158	0.7940	-0.6561	-1.8537	
111437W	1	1.3520	-1.8976					
111305W	1	1.1115	-2.0707					
111343W	1	1.9213	-1.6565					
111307W	1	1.5745	-1.4945					
111475R	2	1.1993	-1.8174	0.3666	-0.3666			
111339R	2	1.0191	-1.0611	0.3935	-0.3935			
111264R	2	0.9067	-1.4182	0.7074	-0.7074			
111280R	2	0.7542	-0.0410	0.8762	-0.8762			
111653R	2	1.0546	0.6795	0.8943	-0.8943			
111440W	2	1.3394	-1.2893	0.6482	-0.6482			
111329W	2	1.0627	-1.4555	0.7900	-0.7900			
111347W	2	1.1285	-0.8764	0.3019	-0.3019			

continued

<i>Item</i>	<i>Points</i>	<i>A</i>	<i>B</i>	<i>D1</i>	<i>D2</i>	<i>D3</i>	<i>D4</i>	<i>D5</i>
111310W	2	1.2196	-0.5960	0.1897	-0.1897			
111444W	2	1.2335	-0.7248	0.1948	-0.1948			
111331W	2	0.9409	-0.7635	0.9246	-0.9246			
111349W	2	0.9095	-0.5899	0.9540	-0.9540			
111371W	2	0.8276	-0.9133	0.9168	-0.9168			
111379R	2	0.5961	0.0831	1.2312	-1.2312			
111573R	4	1.0895	1.6641	1.8729	0.4674	-0.6213	-1.7190	0.0000
10001L	5	1.0000	-1.3192	2.3501	1.0865	0.0201	-1.0872	-2.3695
10002F	5	1.0000	-0.9357	2.3546	1.0504	0.0484	-1.0583	-2.3951
10003V	5	1.0000	-0.8923	2.4463	1.1698	0.1219	-1.1482	-2.5898
10004P	5	1.0000	-0.8542	2.5019	1.2635	0.0737	-1.1976	-2.6414
10005G	5	1.0000	-0.7641	2.4386	1.2146	0.0433	-1.1106	-2.5860