Math 1116, Apportionment Activity, Fall 2014 Name KEY

Instructions: Use Hamilton's Method to apportion the seats in the following situations.

1. Total Seats Available: 210

State	Population	Standard Quota	Initial Apportionment	Extra Seat	Final Apportionment
Kanteria	88,129	54.96	54		54
Humea	79,340	49.03	49		49
Cartesia	89,920	55.57	55	+1	56
Socration	54,543	33.707	33	+1	34
Plateau	27,881	17.23	17		17
Total	339,813		208		210

SD = 1618.157

2. Total Seats Available: 39

State	Population	Standard Quota	Initial Apportionment	Extra Seat	Final Apportionment
Charon	965	10.95	10	+1	11
Nix	219	2.485	2	+1	3
Hydra	519	5.889	5	+1	6
Kerberos	828	9.395	9		9
Styx	906	10.281	10		10
Total	3437		36		39

SD = 88.128

3. Total Seats Available: 75

State	Population	Standard Quota	Initial Apportionment	Extra Seat	Final Apportionment
Vesta	3457	8.616	8	+1	9
Pallas	9740	24.275	24		24
Persephone	8248	20.557	20	+1	21
Ceres	6913	17.2295	17		17
Eris	1734	4.322	4		4
Total	30,092		73		75

SD = 401.23