

MA 110 Quiz 5 **ANSWERS**

The legislature of a country has 80 seats to be apportioned among three states A, B, and C, in proportion to their populations. The table below shows the populations of the states. Complete the table by filling in all **unshaded** blanks in order to produce a Hamilton apportionment. [Hint: Be sure you use enough decimal places in the Standard Quotas.]

State	A	B	C	Total	Pts
Population	127,017	99,978	13,005	240,000	1
Standard Divisor	3,000				1
Standard Quotas	42.339	33.326	4.335	80.000	2
Round Down	42	33	4	79	1
Surplus Seats	1			1	2
Hamilton App't	43	33	4	80	1