

MA 110 Quiz 5 **ANSWERS**

The legislature of a country has 70 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	181,340	85,304	13,356	280,000	1
Standard Divisor	4,000				1
Standard Quotas	45.335	21.326	3.339	70.000	2
Round Down	45	21	3	69	1
Surplus Seats			1	1	2
Hamilton App't	45	21	4	70	1