

Name: _____

Grade: **/10**

[5] 1) The following shows the contents of some data segments of a 68000 memory map.

- 1.a) What is the word stored at location A20100? Answer: _____
- 1.b) What is the byte stored at location A20106? Answer: _____
- 1.c) What is the longword stored at location A20104? Answer: _____
- 1.d) What is the word stored at location B20102? Answer: _____
- 1.e) What is the byte stored at location B20102 ? Answer: _____
- 1.f) What is the longword stored at location B20108? Answer: _____

A20100	11	B20100	10 20
A20101	22	B20102	30 40
A20102	33	B20104	50 60
A20103	44	B20106	70 80
A20104	55	B20108	90 A0
A20105	66	B2010A	B0 C0
A20106	77	B2010C	D0 E0
A20107	88	B2010E	F0 00

[5] 2) The following 68000 memory system consists of 2 consecutive (no unused space) RAM chips and 2 consecutive ROM chips. Fill in the blanks (8) with the correct starting and ending addresses for all four chips.

	Starting Address (Binary)	Starting Address (Hex)	Ending Address (Hex)
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4MB RAM1	0000 0000 0000 0000 0000 0000	00 00 00	
4MB RAM2			
64KB ROM1	1010 0000 0000 0000 0000 0000	A0 00 00	
64KB ROM2			