25 pts	Name:
	Class Day / Time:
	Due Date:
L	ab #3 – x86 Processor Architecture
1. Suppose tha	t you buy a PC with 32 MBytes of RAM. What is the 8-hex-digit address of the "last" byte?
	t you discover that RAM addresses 000C0000 to 000C7FFF are reserved for a PC's video nany bytes of memory is this?
Find the five-he	t you have an Intel x86. ex-digit address that corresponds to each of these segment:offset pairs:
(b) 059A:7A04	
(c) 1234:5678	
4. In real-addre	ess mode, demonstrate to segment-offset address that point to the same linear address

5. The central processor unit is connected to the rest of the computer system using what three buses?
6. What are the three basic steps in the instruction execution cycle?
7. Name all eight 32-bit general-purpose registers in the x86 processor?
8. Name all six segment registers in the x86 processor?