Score:	Name:	

ECE 3055 Quiz II, Wednesday, June 5

The instruction, **sub** \$5,\$6,\$8 is executed on the MIPS single clock cycle datapath. Assume the registers are all loaded with the register number prior to execution and all data memory words are loaded with the memory address of the first byte of the word. Fill in the values of the following control signals and buses.

MIPS Datapath bus values in hexadecimal

lpt. per blank

MIPS Control Signals in Binary

RegWrite = ___

RegDst = ____

PCSrc = _____

ALU Op (two-bits) =

ALU control (three bits) = _______