## CMPUT 229 - Quiz #5 — Winter 2014

Name: Solution

Question 1 (2 points): Highlight the datapath for executing the instruction on the diagram.

Question 2 (2 points): What is the output of the Sign-extend unit? Ox 0000 0007

or 0000 0000 0000 0000 0000 0000 0111

Question 3 (2 points): What are the sources of the input values to the main ALU?

\$t0 and \$t1 (\$8 and \$9)

Question 4 (2 points): What are the input values to the Add ALU?

0x4000 0004 and 0x0000 001C

Question 5 (2 points): Which type of instruction is not implemented in the datapath?

## Jump instructions

