## CMPUT 229 - Computer Organization And Architecture I Quiz #1 — Winter 2014

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Name:	Sol	ution			

## CMPUT 229 Honor Code

By turning in the quiz solution for grading, I certify that I have produced the solution in accordance to the academic integrity policies in Section 26.1 of the University of Alberta 2013/2014 Calendar.

## Question 1 (5 points):

Assume that register \$s0 contains 0x0000000F.

What is the value of register \$t0 in hex after the following instructions?

## Question 2 (5 points):

Using the tables on the back page of this quiz, give the hexadecimal representation of the following instruction:

sub \$t1, \$t0, \$t1

000000 01000 01001 01001 00000 10 0011 opcode (6) rs(5) rt(5) rd(5) shamt(5) function

R-type \$6 →8 → 01000

0x 0109 4822