

Quiz 1  
CMPE 364  
Spring 2017

Name:  
Student ID:

1. What are the values stored in r0, r1, r6, and r7 after the following instructions have executed?

```
MOV r0, #0x00000031
MOV r1, #0x00000004
ADD r0, r0, r1
SUB r1, r0, #3
MVN r5, #0x00000000
MOV r6, #0x00000003
ADD r6, r5, r6
RSB r7, r5, #0x00000003
```

**Solution:**

R0 = 0x00000035  
R1 = 0x00000032  
R6 = 0x00000002  
R7 = 0x00000004