Due 10 Oct 2019 before midnight via email. No late submissions accepted.

Name:_____

Consider the following sequence of guest VM instructions:

```
ac09 <mystery>:
  ac09:        49 89 d0                      mov      %rdx,%r8
  ac0c:        4d 85 c0                      test     %r8,%r8
  ac0f:        75 11                         jne      ac22
  ac11:        48 c7 c7 16 6c 00 00          mov      $0x6c16,%rdi
  ac18:        48 c7 c0 7d ad 2f 81          mov      $0xbd7d,%rax
  ac1f:        0f 79 f8                      vmwrite  %rax,%rdi
  ac22:        48 b9 01 01 00 c0 00 00 00 00 mov      $0xc0000101,%rcx
  ac2c:        0f 32                         rdmsr
  ac2e:        50                            push     %rax
  ac2f:        89 45 00                      mov      %eax,0x0(%rbp)
```

For each instruction, state if an exit is possible for any reason, and give the type of exit and reason if so. You may assume that the page containing the mystery function (eg, the page containing addresses 0xa000 – 0xafff) is present in memory (with all page tables properly configured). The mystery function is running in CPL0. (1 point awarded for each correct instruction)

Instruction	Exit possible (Y/N)?	If exit possible, which exit, and under what circumstances would exit occur?
ac09		
ac0c		
ac0f		
ac11		
ac18		
ac1f		
ac22		
ac2c		
ac2e		
ac2f		