Quiz 4 - X86-64 assembly (leax arithmetic)

Duration: 10 minutes

open notes, please show your work

Name:....................................

ID#:.......................................

Question: The following C code and its compiled assembly are given. Fill in the blanks in the assembly code.

```
long my_fun(long x)
{
  return (x*51);
}


my_fun:
        leaq    (%rdi,%rdi,___), %rax
        movq    %rax, %rdx
        salq    ___, %rdx
        addq    %rdx, %rax
        ret
```