

Lab7

Due Nov 18, 2022 by 11:59pm **Points** 100 **Submitting** a file upload
File Types s

PDF: **Lab8C**  (<https://www.engr.scu.edu/~dlewis/book3/labs/Lab8C.pdf>)

Empty s file: **Lab8C.s** (<https://camino.instructure.com/courses/83789/files/6406885?wrap=1>) 
(https://camino.instructure.com/courses/83789/files/6406885/download?download_frd=1)

```
// 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
```

```
uint32_t Mul32X10(uint32_t R0_multiplicand){  
    return 10 * R0_multiplicand ;  
}
```


```
// 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.
```

```
uint64_t Mul64X10(uint64_t R1R0_multiplicand){  
    return 10 * R1R0_multiplicand ;  
}
```

```
// 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
```

```
uint32_t Div32X10(uint32_t R0_dividend){  
    return R0_dividend / 10 ;  
}
```

Important for this assignment:

- Implement the first two functions without using a multiply instruction.
- Implement the third function without a divide instruction. Check this web page: **DivideByConstant**  (<https://www.engr.scu.edu/~dlewis/book3/tools/DivideByConstant.shtml>)
- No loops, IT blocks, or conditional branch instructions are allowed.