Lecture Lec5.ppt in class worksheet
Question 1. You wish to pass three numbers into a function, according to AAPCS how would you pass the numbers?
Question 2. You wish to pass five numbers into a function, according to AAPCS how would you pass the numbers?
Question 3. What do each of the following assembly directives do? Answer each line separately, not as one complete program.

```
AA    SPACE  10
BB    RN  2
CC    DCB 1,2,3
DD    DCB "Jon\n\r",0
EE    DCW 1,2,3
FF    DCD 1,2,3
GG    EQU 10
```

Question 4. Create an array in RAM that can hold ten 32-bit unsigned numbers called **Buf**. Write an assembly and a C function that sets the value of each element to its index. This function has no formal input or output parameters, but does modify the **Buf** array.

Question 5. How many bits wide is the SysTick timer?

Question 6. Does SysTick count up or down?

Question 7. Write a C function that uses SysTick to wait 100 µs. Assume the bus clock is running at 16 MHz.