Task 1:

Task 1.		
62 SWI 0		
(gdb) i r		
r0	0x200a8	131240
r1	0x200b4	131252
r2	0x200c0	131264
r3	0x4030201	67305985
r4	0x8070605	134678021
r5	0xc0b0a09	202050057
r6	0x4030201	67305985
r7	0x8070605	134678021
r8	0xc0b0a09	202050057
r9	0x8060402	134611970
r10	0x100e0c0a	269356042
r11	0x18161412	404100114
r12	0x0	0
sp	0x7efff620	0x7efff620
lr	0x0	0
pc	0x10098	0x10098 <_start+36>
cpsr	0x10	16
fpscr	0x0	0
(gdb)		

Answer to question in task 1:

The program requires 3 separates add functions to add the two vectors together. In the case of my code, I used add to store the sum of r3 and r6 into r9, the sum of r4 and r7 into r10, and the sum of r5 and r8 into r11.

Task 2:

```
Breakpoint 1, _start () at project1.s:62
62
        SWI 0
(gdb) i r
r0
                0x200a8
                                      131240
                0x200b4
                                      131252
r1
                0x200c0
                                      131264
r2
r3
                0x4030201
                                      67305985
r4
                0x8070605
                                      134678021
r5
                0xc0b0a09
                                      202050057
r6
                0x4030201
                                      67305985
                0x8070605
                                      134678021
r7
r8
                0xc0b0a09
                                      202050057
r9
                0x8060402
                                      134611970
r10
                0x100e0c0a
                                      269356042
r11
                0x18161412
                                      404100114
r12
                0x0
                                      0
                0x7efff620
                                      0x7efff620
sp
lr
                0x0
                0x10098
                                      0x10098 <_start+36>
рс
                0x10
                                      16
cpsr
                                      0
                0x0
fpscr
(gdb)
```

Answer to question in Task 2:

I couldn't get mine to work properly, so I just used UADD8 as if it were just an add statement. I'm assuming that it can be used to add the vectors together in just one line of code, but I wasn't able to find the syntax to accomplish that. In my function I used three lines of code to add the vectors together, but it's probably possible to do it in one line of code. If I had to choose which method I would prefer, I'd choose the UADD8, because I'm sure it's more efficient than the simple add instruction, I just couldn't get it to work.