**Lab 2 Prelab**

1a)

Clr r10

Loop:  
 ADI r10, 2  
 rjmp Loop

1b)  
 LDI R10, 0xFF

Loop:  
 Subi r10, 4  
 rjmp Loop

2b)  
 LDI R10, 103  
 LSR R10  
 LSR R10  
 LSR R10

2d)  
 LDI R10, 9  
 LSL R10  
 LSL R10  
 LSL R10  
 LSL R10

3b)  
.equ NumA = 150000000  
.equ NumB = 1250000000

Ldi r16, low(NumA)  
Ldi r17, byte2(NumA)  
Ldi r18, byte3(NumA)  
Ldi r19, byte4(NumA)  
  
Ldi r20, low(NumB)  
Ldi r21, byte2(NumB)  
Ldi r22, byte3(NumB)  
Ldi r23, byte4(NumB)

Add r16,r20  
ADC r17,r21  
ADC r18,r22  
ADC r19,r23