TUTORIAL 1 SKJ4273

1. Convert the following unsigned binary integers into their hexadecimal and decimal representation.
   a. 1000 1010 0011 0001
   b. 1010 1110 0000 1010

2. Calculate the sum of each pair of binary integers.
   a. 10101111 + 11011011
   b. 10010111 + 11111111

3. Calculate unsigned hexadecimal 03h plus 2345h.

4. Complete the table

Decimal	Hexadecimal	Binary
		0011 0101 1101 1010
230		
	6ACDFA95	

5. Convert the following signed decimal integers into its 16-bit hexadecimal.
   a. -331
   b. -1276

6. Convert the following 16-bit hexadecimals into its signed decimal integer.
   a. C123
   b. 4CD2

7. Convert the following signed binary numbers into its decimal representation
   a. 1000 0000
   b. 1011 0111

8. Convert the following signed decimal integers into its 8-bit binary representation (two's complement).
   a. -42
   b. -98

9. Convert the following hexadecimal (two's complements) numbers into its signed decimal integers.
   a. FEE2h
   b. F3h

10. Use a truth table that shows all possible inputs and outputs for the Boolean functions described by $\neg(A \lor B)$ and $(\neg A \land \neg B)$.