Hexadecimal Homework

You should refer to the **homework policy** for details on how this homework should be submitted.

Attempt all questions and show all working.

Question 1

Write the following binary numbers in hexadecimal.

1. 01011001 59
2. 01101101 6D
3. 1111101011001110 FA CE
4. 1010000111011110 A1 DE

(**8 marks**)

Question 2

Write the following denary numbers in hexadecimal.

1. 37_{10} 100101 25
2. 72_{10} 1001000 48
3. 140_{10} 10001100 8C
4. 119_{10} 1110111 77

(**8 marks**)

Question 3

Write the following hexadecimal numbers in binary.

1. $5A_{16}$ 1011010
2. $B0D_{16}$ 101100001101
3. $FFFF_{16}$ 1111111111111111
4. $2C8E_{16}$ 0010110010001110

(**8 marks**)

Question 4

Write the following hexadecimal numbers in denary.

1. 28_{16} 40
2. $A4_{16}$ 164
3. $5B_{16}$ 91
4. $12B_{16}$ 299

(8 marks)

Total 24 marks