

Homework 1 – Number of System and Codes

Student's Name: _____

Instructions:

- You have to show all work in order to receive full credit

Make the following conversion (question 1-11):

1) Given 1011101_2 , what would be its decimal value	2) Given $A3E_{16}$, what would be its decimal value
3) Given 28418_{10} , what would be its hexadecimal value	4) Given 56_{10} , what would be its binary value
5) Given 461_8 , what would be its decimal value	6) Given 70_{10} , what would be its octal value

7) Given $8A5_{16}$, what would be its binary value	8) Given 135_8 , what would be its binary value
9) Given 1010011011_2 , what would be its hexadecimal value	10) Given 10000101_2 , what would be its octal value
11) Given the following display number 895_{10} , what would be its BCD value?	
12) Using the ASCII code table, what is the message of the following ASCII - hexadecimal code: <div style="text-align: center;">$48\ 65\ 79\ 50\ 41\ 55\ 4C_{ASCII\ (Hex)}$</div>	

-----**HOMEWORK 1 ENDS HERE**-----