Number Systems Review

AP/IBSL/IBHL1

1.1 Number Systems

1. 2.	What is another name for the base-2 num To make reading and writing large number	notation.			
3.	Convert the following numbers from binary to decimal (base-10).				
	a. 110	b. 1001			
	c. 10011	d. 11010			
4.	List the numerals that make up the hexade	ecimal (hex) number system.			
5.	Convert the following numbers from hex to decimal.				
	c. E	b. 16			
	c. 5C	d. A1			
1.2 N	umber Conversion				
6.	Convert the following numbers from binary to decimal.				
	c. 110101	b. 10001001			
7.	Convert the following binary numbers to h				
	c. 110110111	b. 101100111100			

8.	Convert the following decimal numbers to binary using ladder technique.					
	C.	40			b. 157	
9.	Conver c.		following decim	al numbers to bina	ry using positiona b. 257	al notation technique
10.	Conver	t the	following hexad	ecimal numbers to	binary.	
	a.	F6			b. 3BC	