Digital Systems

Numbering Systems

1. Convert the following decimal numbers to binary:

(d) $1100010111_{(2)}$ to octal

	(a)	2058
	(b)	34
	(c)	15.134
	(d)	0.456
2.	. Convert the following binary numbers to decimal:	
	(a)	1011010
	(b)	100001110
	(c)	10.0110
	(d)	0.101
3.	Con	vert the binary number 10101010001.100100101011 to the following bases:
	(a)	base 4
	(b)	base 8
	(c)	base 16
	(d)	base 32
4.	Con	vert the following hexadecimal numbers to binary and decimal:
	(a)	A6
	(b)	29
	(c)	B0F1
	(d)	C23E
5. Perform the following number conversions:		
	(a)	$3480_{(10)}$ to hexadecimal and octal
	(b)	$2157_{(16)}$ to base 4
	(c)	$21011_{(3)}$ to base 9