Name	e : Date :
	A+ Computer Science - Number Systems Worksheet 1
BASE	2 to BASE 10 conversions
	2 1 0 $1_2 = (8*1+4*0+2*0+1*1) = 9$ in base 10
	4 2 1 0 0 1_2 = (16*1+8*1+4*0+2*0+1*1) = 25 in base 10
	32 16 8 4 2 1 1 1 0 1 0 1_2 = 53 in base 10
DIREC	CTIONS: Convert the following numbers to base 10.
1.	1111 base 2 to base 10
2.	1001 base 2 to base 10
3.	1010 1001 base 2 to base 10
4.	0001 0001 base 2 to base 10
5.	0101 1001 base 2 to base 10
BASE	X to BASE 10 conversions
	X ⁴ X ³ X ² X ¹ X ⁰ if X is 2 16 8 4 2 1
243	if X is 3 81 27 9 3 1
DIRE	CTIONS: Convert the following numbers to base 10.
6.	321 base 4 to base 10
7.	102 base 3 to base 10
8.	34 base 5 to base 10
	76 base 8 to base 10
10.	2134 base 6 to base 10