DATE: / /

Q. Find the binary equivalent of
a) 27 b) 144 c) 52 d) 9 e) 70

a)

2	27	1
2	13	1
2	6	0
2	3	1
	1	

$(27)_{10} = (11011)_2$

b)

2	144	0
2	72	0
2	36	0
2	18	0
2	9	1
2	4	0
2	2	0
	1	

$(144)_{10} = (10010000)_2$

c)

2	52	0
2	26	0
2	13	1
2	6	0
2	3	1
	1	

$(52)_{10} = (110100)_2$

d)

2	9	1
2	4	0
2	2	0
	1	

$(9)_{10} = (1001)_2$

e) 70

2	0
35	1
17	1
8	0
4	0
2	0
1	

$(70)_{10} = (1000110)_2$

2	7	1
2	3	1
	1	

$(7)_{10} = (111)_2$

$(0)_{16} = 0$