

Number Systems Test 1

1. Convert the following numbers from binary to decimal.

a. 101

5

b. 1001

9

2. Convert the following numbers from hex to decimal.

a. A

10

b. B3

179

3. Convert the following binary numbers to hex.

a. 10100011

A3

b. 100011110001

8F1

4. Convert the following decimal numbers to binary using ladder technique.

a. 23

10111

b. 69

1000101

5. Convert the following decimal numbers to binary using positional notation technique.

a. 14

1110

b. 37

100101

6. Convert the following hexadecimal numbers to binary.

a. C

1100

b. 2A

101010