1)Convert 1234d to binary and hexadecimal numeral systems.

1234/2=617 (0) 1234d = 0100 1101 0010b = 4D2hex

617/2=308 (1)

308/2=154 (0)

154/2=77 (0)

77/2=38 (1)

38/2=19 (0)

19/2=9 (1)

9/2=4 (1)

4/2=2 (0)

2/2=1 (0)

1/2=0 (1)

1234/16=77 (2)

77/16=4 (D)

4/16=0 (4)

2)Convert 1100101b to decimal and hexadecimal numeral systems.

1100101b=1.26+1.25+0.24+0.23+1.22+0.21+1.20 = 101d = 65hex

101/16=6 (5)

6/16=0 (6)

3) Convert ABChex to decimal and binary numeral systems.

ABC hex=10.162+11.161+12.160 = 2748d= 1010 1011 1100b

2748/2=1374 (0)

1374/2=687 (0)

687/2=343 (1)

343/2=171 (1)

171/2=85 (1)

85/2=42 (1)

42/2=21 (0)

21/2=10 (1)

10/2=5 (0)

5/2=2 (1)

2/2=1 (0)

1/2=0 (1)