Adel Fallatah

2-8

37) 38_{16} = 111000

b) 59_{16} = 1011001

c) $A14_{16}$ = 101000010100

d) $5C8_{16}$ = 10111001000

e) 4100_{16} = 100000100000000

f) $FB17_{16}$ = 1111101100010111

g) $8A9D_{16}$ = 11111000101010011101

39) a) 23_{16}

b) 92_{16} = 10010010 = $2^7 + 2^5 + 2^1$ = 146_{10}

c) $1A_{16}$ = 11010 = 26

d) $8D_{16}$ = 10001101 = 141_{10}

e) $F3_{16}$ = 11110011 = 243_{10}

f) EB_{16} = 11101011 = 235_{10}

g) $5C2_{16}$ = 10111000010 = 1474_{10}

h) 700_{16} = 11100000000 = 1792_{10}

40) a) $8 = 1000 = 8_{16}$

b) $14 = 1110 = e_{16}$

c) $33 = 100001 = 21_{16}$

d) $52 = 110100 = 34_{16}$

e) $284 = 100011100 = 11c_{16}$

f) $2890 = 1011_0 1001010 = b4a_{16}$

g) $4019 = 1111_0 1100011 = Fb3_{16}$

h) $5500 = 1100101100100 = 1964_{16}$

2-10

50) a) $0001 = 1$

b) $0110 = 6$

c) $1001 = 9$

d) $00111000 = 18$

e) $00011001 = 19$

f) $00110010 = 32$

g) $01000101 = 45$

h) $10011000 = 98$

i) $1000011110000 = 870$

2-11

56) a) 11011 = 10110

b) 1001010 = 1101111

c) 1111011101110 = 1000110011001

57) a) 1010 = 1100

b) 00010 = 00011

c) 1100001001 = 1000001111

60) 01000001 = 65

2-12

63)

b) 0.111b.1010