

1 a) 401

ก: Sign and Magnitude	0 000 ... 0000 0001 1001 0001
ข: 1's Complement representation	0 000 ... 0000 0001 1001 0001
ค: 2's Complement representation	0 000 ... 0000 0001 1001 0001

1 b) -32

ก: Sign and Magnitude	1 000 ... 0000 0000 0010 0000
ข: 1's Complement representation	1 111 ... 1111 1111 1101 1111
ค: 2's Complement representation	1 111 ... 1111 1111 1110 0000

2. Integer Representation ของเลข -138 แบบ Packed Decimal

138 = 0001 0011 1000

เครื่องหมายลบ = 1101

Zoned Decimal = 1101 0001 1101 0011 1101 1000

Packed Decimal = 0001 0011 1000 **1101**

3. Floating Point Representation

	31	0
a) 75.25_{10}	0 1000010 0100 1011 0100 0000 0000 0000 ... 0000	
b) 10111110.001001_2	0 1000010 1011 1110 0010 0100 0000 0000 ... 0000	
c) -112.37_{10}	1 1000010 0111 0000 0101 1110 1011 1000	