

COE 205-02 : Computer Organization & Assembly Language
Quiz1 on Data Representation
Wednesday, September 20, 2006

Name:

ID:

1) (2 pts) What is the signed decimal representation of the following signed binary numbers?

a) 10110110

b) 11001100

2) (4 pts) What are the unsigned and signed decimal values of the following hex numbers?

a) 8A1F

unsigned value =

signed value =

b) C1B3

unsigned value =

signed value =

3) (4 pts) Carry the following additions. Indicate whether there is a carry or overflow?

a) 11010010 (binary)
 + 10111101 (binary)

b) A1CF (hexadecimal)
 + B2D3 (hexadecimal)
