1) The **8086** microprocessor can support _____ Byte of main memory

2) For the given table,

"*Physical Address*"	"*Memory contents*"
AED7E$_H$	**34$_H$**
AED7F$_H$	**56$_H$**
AED80$_H$	**AB$_H$**
AED81$_H$	**A2$_H$**
AED82$_H$	**69$_H$**

   a) what is the **word** stored in the memory location starting with physical address of "**AED80$_H$**

      Sol:_____

3) Find if the give signed data is '+' or '−' : 0101 1101$_B$ = _____

4) If the CPU registers has the following values; **CS=1111$_H$, DS=2222$_H$, SS=3333$_H$, ES=4444$_H$, SI=205$_H$, DI=306$_H$, SP=407$_H$, IP=508$_H$**, answer the following:

   a) What is the physical address of the destination data in Extra segment, which is currently pointed by the CPU?

      Sol:_____

   b) What will be the physical address of the first storage location (byte-wide) in Code Segment of main memory?

      Sol:_____