1) The **8086** microprocessor has _____ bit of Address-Bus .

2) Store a given **word** of "**89AB**$_H$" in the memory location starting with physical address of "**AED80**$_H$".

"*Physical Address*"	"*Memory contents*"
AED7E$_H$	
AED7F$_H$	
AED80$_H$	
AED81$_H$	
AED82$_H$	

3) If the CPU registers has the following values; **CS=1000$_H$, DS=0000$_H$, SS=3333$_H$, ES=4444$_H$, SI=205$_H$, DI=306$_H$, SP=407$_H$, IP=508$_H$**, answer the following:

   a) Find the physical address of the last storage location (byte-wide) in Code Segment of main memory.

   Sol:_____

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

   Sol:_____

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

   Sol:_____