Special Problem 11-1

1. Which one of the following statements about computer memory is false?
   
   A. Serial memory is typically non-volatile
   
   B. Serial memory is typically slower than RAM.
   
   C. Serial memory is typically more expensive (per byte) than RAM.
   
   D. Serial memory is typically used for mass-storage.

2. A semiconductor memory with an 8-bit word would require a column address of how many bits?
   
   A. 256
   
   B. 16
   
   C. 8
   
   D. 4
   
   E. 3

3. Which one of the following statements is false?
   
   A. SRAM is faster than DRAM
   
   B. SRAM is requires less power than DRAM
   
   C. SRAM does not need to be “refreshed”.
   
   D. SRAM is requires less space than DRAM.
4. Which one of the following is not a type of read-only memory?

A. PROM  
B. SPROM  
C. EPROM  
D. EEPROM

5. Which one of the following statements is true about digital inverters?

A. A larger delay-power product is better than a smaller one.  
B. A smaller noise margin is better than a larger one.  
C. Static power dissipation is typically larger than dynamic power dissipation.  
D. $V_{IL}$ is greater than $NML$.  