

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 NM_L .