(20) 1.1. What makes a microcontroller different from a microprocessor?

(20) 1.2. How many different memory locations can the HCS12 access without the expanded memory?

(20) 1.3. Convert 5K, 8K, and 13 K to decimal representation.

(20) 1.4. Write an instruction sequence to swap the contents of memory locations at $1000 and $1001.

(20) 1.5. Write an instruction sequence to perform the operations equivalent to those performed by the following high-level language statements.

I = 11;
J = 33;
K = I + J - 5;