Module 1  Due the day after module 1 is completed in class.

1. **Functional Units**
   a. How many functional units can perform an ADD? Name them.
   b. Which functional units support memory loads and stores?

2. **Conditional Code**
   a. Which registers can be used as conditional registers?
   b. Which instructions can be conditional?

3. **Performance**
   a. What is the ‘C6201 instruction cycle time?
   b. How can the ‘C6201 execute 1600 MIPS?
   c. How many MIPS can the ‘C6202 execute?

4. **Coding Problems, write the code to perform the following:**
   b. Clear register A5.
   c. \( A2 = A0^2 + A1 \).
   d. If (\( B1 \neq 0 \)) then \( B2 = B5 \times B6 \)
   e. Load an *unsigned* 16-bit constant, 9ABCh into register A6.
   f. Load A7 with the contents of mem1 and post increment the selected pointer.