Complete the following problems from the textbook:

- 2.14, 2.15, 2.17, 2.20 (The question asks you to find “the shortest sequence of” instructions, but instead, just find a sequence of no more than five instructions.), 2.21 (this problem asks for a “minimal” number of instructions, but I don’t require minimal, but instead a reasonably small number of instructions), 2.23, 2.29 (there is a typo in this problem: the last line of assembly code should read `bne $t2, $0, LOOP`), 2.34 (yet another typo: the problem should read “…the function declaration for `func` is `int func(int a, int b)`”), 2.39.

- 3.22, 3.23, 3.24, 3.41. For problems 3.23, 3.24, and 3.41, the book asks that you provide your answers in binary. You should ignore that, and instead provide the answers to those three questions in hexadecimal.

Submission
You may hand write your homework, in which case it must be legible. And to be clear, the term “legible” means one should be able to read it without a magnifying glass or any more effort than reading a well typeset book. You are also welcome (and encouraged) to complete your homework using a typesetting package (e.g., \LaTeX), when that is reasonable (often, when problems require diagrams, typesetting it is not reasonable). Regardless of the method you choose to use to complete your homework, you must submit a hard copy to either my department mailbox or my office (mailbox on my office door) by the due date and time. Do not email me your homework! (I will ignore homework received via email.)