Complete the following problems from the textbook:

- 1.5, 1.6, 1.7, 1.12.1-1.12.3, 1.13.1-1.13.3, 1.14.3, 2.4, 2.7, 2.9

**Topics To Consider**

- Why is execution time a better metric than CPI when comparing machines?
- What are the two main points related to Amdahl's Law?
- What are some negative aspects of manufacturing larger dies?
- Explain why programs compiled for the IA-32 ISA can execute on both Intel and AMD chips.

**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 me in class OR to my department mailbox OR to 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.)