

# INTRODUCTION TO COMPUTER SCIENCE I

## Midterm 1 Study Guide

We've covered the following topics:

- Keyboard input and printing to the screen
- Declaring, initializing, and using variables
- Types: int, double, String, boolean; casting between types
- Arithmetic: +, -, \*, /, and % operators
- If statements
- Boolean operators: &&, ||, and ! operators, writing and interpreting boolean expressions, order of operations
- While and for loops
- Methods
- Arrays (will cover next week)

You should be able to do the following:

- Given a piece of code, trace it line by line and determine what it does
- Given a piece of code, debug it (i.e., identify and correct syntactical or logical errors)
- Given a task, write a piece of code to accomplish it

Suggestions for studying:

- Redo examples from class
- Redo previous labs
- Do the suggested practice exercises from S&W (see the course web site)
- Study *actively* (i.e., by writing and tracing pieces of code) rather than *passively* (i.e., only by reading your notes and the textbooks)