

**Problems 1 & 3 were dropped from the midterm because of lack of space. Problem 2 because of difficulty. Points are a decent proxy for expected time to answer. (60points-70 min in midterm).**

**Problem 1:** (5 points) Explain the concept of mandatory access control in 3 sentences or less.

**Problem 2:** (10 points) From the list below, pick two features of the Java programming language and that did not exist in older programming languages C, C++ and Ada. For one of your two choices, explain in two sentences why it is a useful and interesting feature.

- a) Native support for threads
- b) Object-oriented features
- c) Exception handling features
- d) Caching
- e) Security mechanism
- f) Inheritance
- g) Code portability

**Problem 3:** (7 points) What are the 6 main steps of the software development process?