**Coverage of Exam 1**

**Exam 1 will cover the following sections:**

**1.3 - 1.4**

Important topics of Chapter 1:

Language elements

Punctuations

Line vs statement

**2.1 – 2.16, except 2.12.11 “declaring variables with the auto key word”**

**3.1 – 3.3 except pow() function on Pg. 93 - 94**

Important topics of Chapter 2 & 3:

Understanding the function is the basic unit of C++.

Punctuations, return statement, etc.

So far, the only statement that you should put outside main function is

using namespace std;

What makes a legal name of an identifier (variable, constant, function)?

Variable vs literal

What can be put on the left side of =?

Data types

The meaning of each data type

Define variables using data types

Determine the data type of literals

How to define, initialize, assign value to, and use a variable?

= is the assignment operator!

Avoid redefinition; avoid using uninitialized variable

Constant vs variable

Scope of variable and constant

Avoid using a variable outside its scope

cin and cout

Arithmetic operations & mathematic expressions (2.14, 3.2, and 3.3)

Priority (aka operator precedence)

Integer division issue

Determine the data type of the result of an expression