Lab 3

Name: ___________________________________________ Checked: ______

Objectives:

- Practice writing algorithms and programs that use conditional logic.

1. Write an algorithm for determining the largest (maximum) of three numbers, a, b, c. The largest of the three values should be assigned to the variable max.

Finding max – Algorithm:
2. Write two more alternative algorithms for determining the largest of three numbers, a, b, c. The largest of the three values should be assigned to the variable max.

Finding max – Algorithm 2:

Finding max – Algorithm 3:

3. Implement the above algorithms as a Java programs. You can start by downloading MaximumVersionX.java
http://www.csc.villanova.edu/~map/1051/s15/examples/MaximumVersionX.java

Modify the code (look for ***) to produce three versions. Check your work with a classmate –compare algorithms and test each version:

MaximumVersion1.java  Classmate signature: _______________________
MaximumVersion2.java  Classmate signature: _______________________
MaximumVersion3.java  Classmate signature: _______________________