Homework 2 Revised
(Two questions added on 9/19)

Due: Tuesday Sept. 24 by 11:55 PM
uploaded to NYU Classes

1. Write a program that asks for input of 3 integers. Your program should
concisely find and print the maximum of the three. You should use only if
and else statements, no loops, arrays or sorting algorithms should be used. Call
this program Max3.java when you upload it.

2. Problem 3-35 in the text. Call this Ex3.35.java.

3. In class we used Math.random() to simulate throwing of dice. Modify that
program to throw a single die a million times, and count how many times each
number is thrown. Your program should use a switch statement, and not use
arrays. After throwing the dice your program should print how many times
each number was thrown. (For your own curiosity, how much does this change
if you run your program twice? If you throw 10 million times does the spread
increase or decrease?) Call this program CheckDice.java

4. Write a program that computes the number of terms n that are needed so
that the sum of the numbers from 1 to n is greater than a given number,
call it total. For this problem, submit your program with total = 1000000.
However your program sould work for any integer value of total. Use a while
loop do to this, (and not the algebraic expression that computes it directly.)
After the loop your program should print the value of n saying how may terms
were used. Call this program SumTerms.java.

Hint: Debug your program first with small numbers where you know the
answer.