**Review Sheet #3**

MTH 125

Fall 2012

1. Write a program segment that inputs values and , adds to 20 times, and displays all of the sums.
2. Write a program segment that will add to until the sum exceeds 100.
3. What are the values of and at the conclusion of each of the following loops, if and when each loop begins?



1. The series for is

Write a program (similar to the one we wrote for ) to approximate by terms of this series. Check your program for various values of x for which you know the value of. For example, we know that .