420-B10 Name \_\_\_\_\_Philip Dumaresq\_\_\_\_\_\_\_\_\_

**Lab 11 Review Questions**

# What does the following loop print out? 3

**int number = 1;**

**while (number < 11)**

**{**

**++number;**

**System.out.print (number + " " );**

**}**

1 2 3 4 5 6 7 8 9 10

# By rearranging the order of the statements (don't change the way they are written), make the loop in the previous exercise print the numbers from 1 to 10. 2

# Given the following segment of code:

**int power2 = 1;**

**int count = 0;**

**while (power2 < 100)**

**{**

**System.out.print(power2 + " " );**

**power2 \*= 2;**

**++count;**

**}**

## What is the output? 1 2 4 8 16 32 64 2

## What is the final value of count (i.e. How many times is the loop repeated?) 1

6

# Identify the error and/or determine the output in each of the following code segments.

## int k = 0; 3

**while k < 15**

**{**

**System.out.print(k + " ");**

**k += 3;**

**}**

Output: 0 3 6 9 12

15 is not outputted because it’s while it is less than 15, not less than or equal to.

## int j = 10; 3

**while (j > 0)**

**{**

**System.out.print(j + " ");**

**j--;**

}

Brackets were needed.