**CSC 1700 Introduction to Computer Programming**

**Function Worksheet**

For each function below, work in your group to determine the purpose of the function, write an appropriate call to the function, and map memory using your call.

**def func1(x, y):**  
 if x % y == 0:  
 return True  
 else:  
 return False

**def func2(x, y):**

n = input("Enter operator: ")

if (n == "+"):

print(x + y)

elif (n == "-"):

print(x - y)

elif (n == "\*"):

print(x \* y)

elif (n == "/"):

print(x / y)

else:

print("Unsupported operator")  
  
**def func3(x, y, z):**

if x >= y and x >= z:

print(x)

elif y >= x and y >= z:

print(y)

else:

print(z)  
  
**def func4(x, y, z):** n = int(input("enter a number: "))  
 while(n < x or n > y or (n % z != 0)):  
 print("invalid number")  
 n = int(input("enter a number: "))

print("valid number")

**def func5(x, y):**  
 a = 0  
 for i in range(x, y):  
 a = a + i  
 return a  
 **def func6(x, y, z):**  
 a = 0  
 for i in range(z):  
 n = random.randint(x, y)  
 print(n)  
 a = a + n  
 return a

**def func7(x):**  
 *# 1 Km is 0.6214 Mile*

*# Km to Mile* conversion = 0.6214  
 y = x \* conversion  
 returny

**def func8(x):**  
 if x % 2 == 0:  
 return True  
 else:  
 return False

**def func10(x, y):**  
 z = 1  
 for i in range(y):  
 z = z \* x  
 return z