ChEE 201
Computer Homework 1 Solution

You need to have read Computer Handout 1 before attempting this homework unless you are already familiar with how to use VBA in Excel.

This homework will have you:
1) test that you have learned how to send information into and get it back from VBA in Excel, how to access the place where you insert a program, and that you can get results out
2) demonstrate that you can create your own simple program to accomplish a calculation

1) For this problem, enter the following code into an Excel VBA module:

Option Explicit
Function computex(a,b,c)
Dim d as single, e as single

d = a*a+2*b
e = d^c

computex = e
End Function

In an Excel spreadsheet, put the following numbers into cells:
A1, 2
B1, 3
C1, 3
Then, in Cell A2, enter "=computex(A1,B1,C1)"

For full credit, report what appears in Cell A2, also, print out a copy of your VBA module.

Solution: The answer is 1000.

2) For this problem, write a program that will take in two numbers and divide the first number by the second number. Have the program send the result back out to the Excel spreadsheet.

For full credit on this problem, you must:
Save your Excel file as "Your First Name-Last Name.exe" and email it to blowers@engr.arizona.edu by the time class meets on the day this assignment is due. No hard copy is needed for this part

Solution: A working example program is:

Option Explicit
Function divide(a, b)
Dim y As Single
y = a / b
divide = y
End Function