Homework 9 Solution

1a. Cost is a one dimensional array with 101 elements
    Items is a two dimensional array with 101 rows and 4 columns

b. P is a one dimensional array and Q is a two dimensional array with the value i,j element being added to the value of the i element on the P array

c. Z is a two dimensional array whose elements are being added to the variable Sum

2a. dimensions a one dimensional array with 13 elements
    passes the 4th element of the array to the sub

b. dimensions a one dimensional array with 13 elements
    passes the array variable to the sub

3a. option base 1

    dim Cost(n) as integer, sum as integer, i as integer
    sum = 0
    For i=1 to n
        sum = sum + Cost(i)
    Next i

b. dim Values(60,20) as integer, sum as integer, i as integer, j as integer
    sum = 0
    j = 3
    For i=1 to 60
        sum = sum + Values(i,j)
    Next i

c. dim Values(60,20) as integer, sum as integer, i as integer, j as integer
    sum = 0
    For i=1 to m
        For j=1 to 20
            sum = sum + Values(i,j)
        Next j
    Next i

d. dim X(200) as integer, i as integer, sum as integer, answer as double
    sum = 0
    For i=1 to 200 step 2
        sum = sum + X(i)
    Next i

d. dim W(k,k) as integer, i s integer, j as integer, product as integer
    i = 1
    j = 1
    product = 1
    Do While i <= k AND j <= k
        product = product * W(i,j)
        i = i + 1
        j = j + 1
    loop