## Assignment: Lab book Review - Appendices A

如 Dercive the formula for the following summation sercies 5 c = f(e,n,m)

In other Worlds. What is the closed form formula in term of the Corntant C, h, and m?

given summation: £C

Where, C is a constant I is index, rounning from m to n

So number of terems

the sum is simply e added to itself for each

= n-m + 1 (n-m gives difference between 2 indices.

We also need to add 1, as include both m, n)

NOW, We can express sum

are 
$$\leq e = ex(n-m+1)$$

Also, We have f(c,n,m) = ex(n-m+1)

So, the final foremula on closed form expression

use this formula can get direct sum of service. This works When m Less than or equal to n