**Algorithms:**

**Ex1)**

Find (int \* a, int N, int v){

For(int i=0,i<N,i++){

if(a[i] == v) return i;

}

return -1;

}

**ANALYSIS:**

Int I = 0 equals 1 op

I<N equals 1 op \* N

A[i] = = v equals 1op \* n

Return I equals 1 op

I++ equals 1op\* n

Everything added together: 3op\*N + 2op = f(n)= 3n + 2 = O(n)