Q1

Q1

GN3+2n2+3n=O(n3)

PART MARK

C:10 N:1 5n3+2n2+3n  $\leq$  C(n3)

b)  $\sqrt{7n^3+2n-8} = O(n)$   $\sqrt{7n^2+2n-8} = C_2(n)$ 

() d(n)=0 (f(n)), e(n)=0(g(n)) d(n)=e (f(n)) and e(n)=e (g(n)) e(n)=

1 = 2.1 True : d(n)c(n) = 0 (f(n)y(n))

O2  $O(n^2)$  O(n) O(n)