QUESTIDA According to the definition, fini < C. Digini) for all n> no By setting 10=3 and C=6 works because 5.63+2.62+3.6 < 6.33 So, 5n3+2n2+3n=0(n3) $|7n^2+2n-8|=\theta(n)$ According to the definition, of O(n), france CIDINE fin) = co D(n) for all n>no By setting C1=1, C2=2, and No=1 nortes because So /7n+2n-8 = 0(n) If d(n) = O(f(n)), then there exists C1 (C1>1) for that din) < Ci. fin). The same if ein) = Digin), there exists C)(Ci>o) for that eln) = C):g(n) Therefore, C1. C2. fin), qin) > din) ein) must be true, which shows that dinjein) = Offingin). Question 2 def 1 = θ(n') def 2 = 9(1) def3 = O (lagn) O(In) de+ 4 = 0 (n)