IOARD OF STUDIES Question 6 difference First tern a) i) nth term = at (n-1)d c1= -1 d= 5 n= 60 = -1+ (60-1)5 = 294 (3) i) Som = 2 (2a+ (n-1)d) or 2 (a+L) L=last term = 2 (-1+244) = 30 (243) = 8790 b) about 500 about 2.5095 $(j_i)_{y'=3x^2+2x-1=0}^{3} x X_{i}^{-1} (3x-i)(x+i) x=-1, \frac{1}{3} \frac{5}{5}$ -13+-12+1+2=3 ptat (-1,3) 1/3 + 1/3 = # 1/3 +2 = 1.814 p+ + (113, 1.814) 01 (13,12/27) ii) where so The formation where so 7-13, this is help way between AB, and is where a verticle inflexion pt seens to arise. in) k= 2,3, 12 /27

OTWB4