d) we can use proof by corten positive. This were if CTB) => CTA) is true then A => B is tome i' the Statement becomes: If his That even then h3-h + 7 is host even Which can further be simplified to: If h is odd then his not is We assume h is odd. (2k+1 Rop some interes k) n3-h+7 => (5k+1)3-(5k+1) + 1 + 8 mp 5k+1 in top m 2) (2k+1) (4k2+4k+1) - (2k+1) +.7 =>(8K3+12K2+6K+1) = (2K+1) +7 . 2> 8K3 + 12 K2 + 4K +7 27 20 + 12 k2 + 41 +7 + let a be 4k3 Can interes) 27 2 a + 26 + 4k +7 + let b be 6 K2 (an infesses) => 2 Catb+ 2k +3)+1 27 20 41 + let C be (a+b+2k+3 Can liveses) if the contempositive is three so the opinion statemen is the