Q4) Assume that x is w2 +2 where m and x are sufferes, we will splin im set juto even and odd jute sees: case 1: m 15 022 C2K+1 = m Poh some sute sen K) XZMZ+Z 27:X 2(2K+1)2+2 + from one detiction of obj 2) x = 4K3+2K+1+2 = > × = 2 C2K2 + K ) +3 + 1et a = 2K+1 Can interes = ) x 2 2(2x+1)+3 + let x 2 K2 (an integer) and 43 K an integer 27 x2 2 CZN) +3 + 124 2 N 2 2x + N Can interes 2) x 2 4 4 + 7 if m is od) then x = un+3 Rob Some interes in case 2: m is even (2k 2m too some juteses k). XZ m2 +2 => x = (2K) 2 + 2 27 x 2 4 x 2 4 2 => X 2 4 a + 2 & Since K is an interest jo on = K2 than a will also be an integer if m is even then x z Ma + 2 foo some interes h htesen .. for and x that can be expressed as mitz for some jute see m, it can only be expressor on MK+3 of MK+2 for Some integes k