Anthony Homework 6 Jones (e) {5,10,15,20,25} (a) {x & N: 2 | x+1 } (b) {x EN: x = c2, CEN: 0 < C \le 10} EXECUTARY EXEZIZINAS (d) {x & N: x = 2 , c & N } (e) {x EN: 6<x < 13} 3. Let A= {x & Z: x = 4K+1 for some K & ZZ} and B= {y \ 2: y = 4K-3 for some K \ 27} · Suppose XEA 7 Than there is some KEZ S.t. x = 4K+1. 7 Using the rules of integer addition, three is some q & II s.t. K = 9 - 1.7 Substituting sives x = 4(q-1)+1= 49-4+1 = 49-3 7 Thus x = 49-3 for same 9 & ZZ, meaning 7 x & B 4

Homework 6 grathony JUNES 4. · Juppose y EB 7 Then there is some KEZ s.t. 4K-3. 7 Using the rules of integes addition, there is some on E II s. E. K = q + 1. 7 substanting gives 4 (9+1) - 3 = 49+4-3 = 49+1 7 Thus the y=49+1 for some 9 & II, meching 7 y 6 A. E.C. We say that A=B.