Exercise 1.1 3.i) A= {-3,-2,-1,0,1,2,3,4,5,6} 2.1) 5 EA vii) yes 1. i) Yes ii) B = {1,2,3,4,5} ii) No viii) Yes ii) 8 ∉ A 111) 0 € A iri) C= {17,26,35,44,53,62,71, iii) No ix) No iv) 4 ∈ A iv) yes iv) D = {2,3,5} v) 2 € A v) Yes V) E = ST, R, I, G,O, N, M, E, Y} vi) 10 \$ A vi) Yes vi) F = & B, E, T, R} 4.1) E= {x: x = 3n and n = 1N and 1 = n = 4} (i) $G = \{x : x = 2^n \text{ and } n \in \mathbb{N} \text{ and } 1 \leq n \leq 5\}$ iii) H= {x:x=5h and neN and 1 ≤ n ≤ 4} ix) A = {x:x is an even natural number} v) c = {x:x=n2 and n EN and 1 ≤ n ≤ 10} 5. i) A= {1,3,5,7,...} 6.i) - 0) ii) B= {0,1,2,3,4} $ii) \rightarrow a$ $iii) \rightarrow d$ iii) e = {-2,-1,0,1,2} iv) -> 6) iv) D= {L,0,4, A} v) E = { February, April, June, September, November} vi) F = {b,c,d,f,q,n,j}