Discrete Math 3.1 Functions Section Review # 1,4-8 ALL - See back of book

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(3) It is a function, Domain: X= {1,23,4} range Y= {a,b,cd} it is both 1-1 and onto

Inverse { (c,1), (d,2),(a,3), (b,4)} {a,b,e,d} {1,2,3,43

- (5) It is a function. Domain: X= {1,23,43 range: {b}} It is <u>NOT</u> 1-1 (injective) . I is <u>NOT</u> onto (surjective)
- T) f(x)= x-L×J

- Since (C1)= (-1) this function 1. since f(n)2=n2-1 ≥-1 ... f(n) + -2, fis not onto
- 1 fins=n3 of Book

if f(m)=f(n), then M3=13 or M=n, =-fis 1701 f(n)=n3, there does not exist it such that f(k)=5 is fine no is not onto