Math 8 HW # 16
2 - 5 (xu) 1 x-y <15
11 1 5) A = 20,1,2,3, For this to be true, x = y
R= [(3,3)[4,5][
(1,2)(2,5)(5,0) } such that (1,2)(2,5)(5,0)
should be 2 day
diff relations on A the x=v=> xRz is true (transitive)
. R is an equivalence relation
17). Reflexive, all integers can
R= $\{(x,y): y \le x\}$ integers x
where x, y & IR . Sympnetric since x my iff
11.2) 1) · Reflexive since (x,x) & IR x-y & 1 : FF y-x & 1 : FF
· Symmetrie, not possible to · Not transitive since 0 ~ 1
Find (x,y) & R for which and 1~2 but 0~2 is not
· Transitive since xRy 0 vR-
Simplice x RZ is always true 3). Not reflexive, (a, a) & IR
symmetric (01) = 15
but (b, a) & R · Not transitive, CRb & bRc
me correct, cite is false