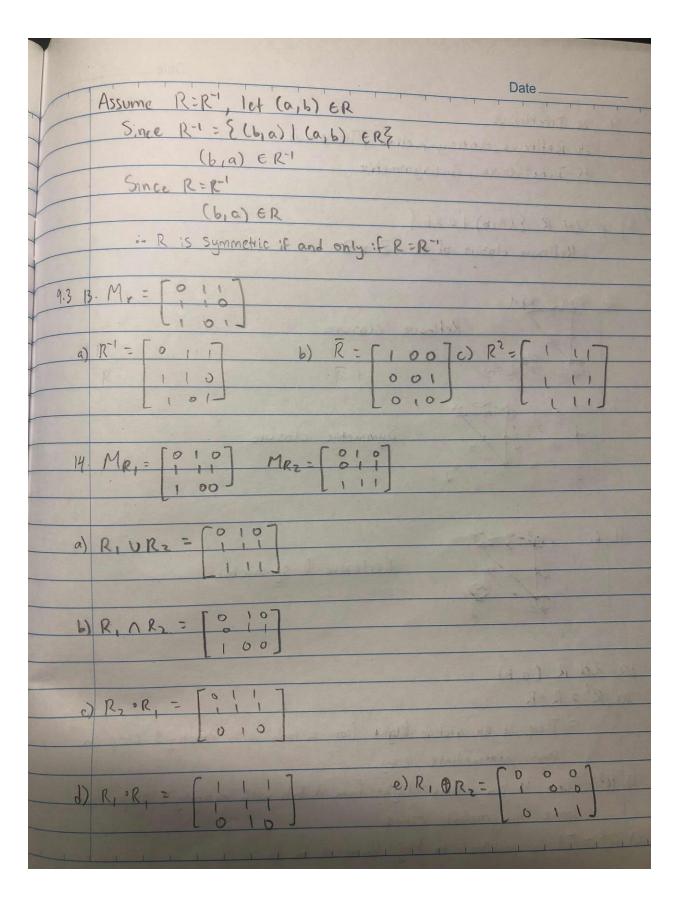
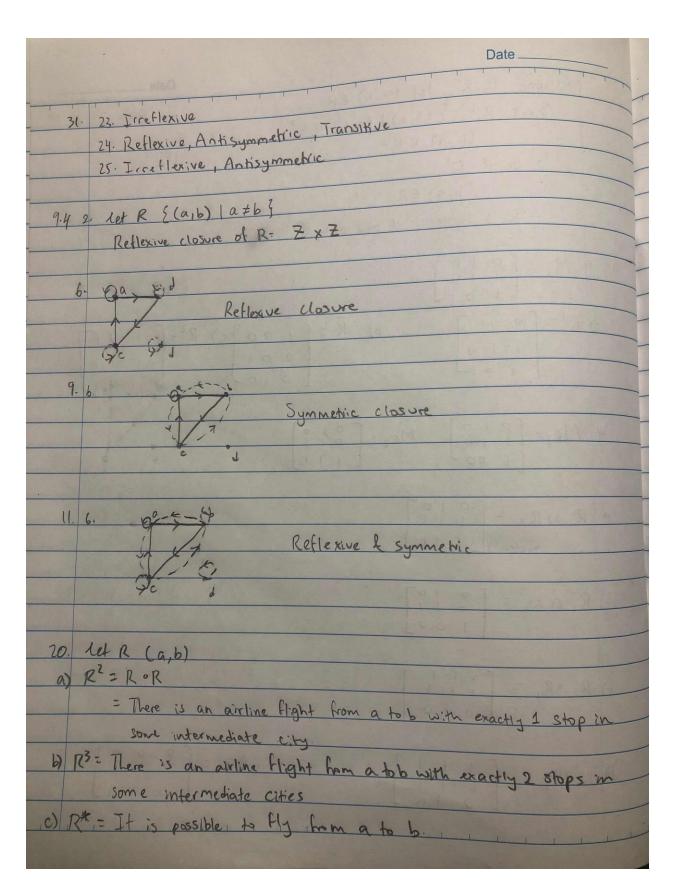
	Date
9.1 7. a) n x y	Cummetile
0 2=y+1 or 2=y-1	
	Antisymmetric & transitive
26. R = { (a,b) ax b }	
a) R' = {(b, a) 1(a, b) ER} - b) R= {(a, b) 1 (a, b) ER}	
: 8(b,a) lack	
= 8 (a,b) 1 b < a	3 { (a, b) \ a 7, b}
= { (a, b) 9.76	
the day they were	
32 let R {(1,2), (1,3), (2	(3),(2,4),(3,1) {
- 1 5 { (2,1), (3,1), (3	
SOR = {(1,1), (1,2)	
47. a) Symmetric = 2n(n+1)/2	SEE SERVICE SE
b) Antisymmetric = 2 ⁿ 3 ⁿ (n-1)/2	
i) Asymmetric = 3h(n-D/2	
d) Irreflective = 2n(n-1)	
e) Reflexive and Symmetric = 7n(n-1)/2	
f) Neither reflexive nor irreflexive = 2n2 -2 - 2ncn-1)	
	"Cort Corts a "The or mine a
51. Assume R is symmetric	
Therefore R'= { (b,a)	
	(a, b) ER 3
= R	
Thus R=R7	





	and the same of th
7	Date
1	a) Transitive closures
	{(a,c),(b,d),(c,a),(d,b),(e,d)}
	[00100]
	000010
	M: 10000
	0 1000
	[6,066]
	a b c d e
	9 10 100
	601010
	M== 10100
	301010
	6 0 1 0 10
29.	{C1,2), (1,4), (3,3), (4,1)}
	Reflexive & transitive
	{(1,1),(1,2),(1,4),(2,2),(3,3),(4,1),(4,2),(4,4)}
6)	Symmetric A transitive
	{(1,1), (1,2), (1,4), (2,1), (2,2), (2,4), (3,3), (4,1), (4,2), (4,4)}
01	Reflexive, Symmetric & transitive.
	{(1,1), (1,2), (1,4), (2,1), (2,2), (2,4), (3,3), (4,1), (4,2), (4,4)}
11	