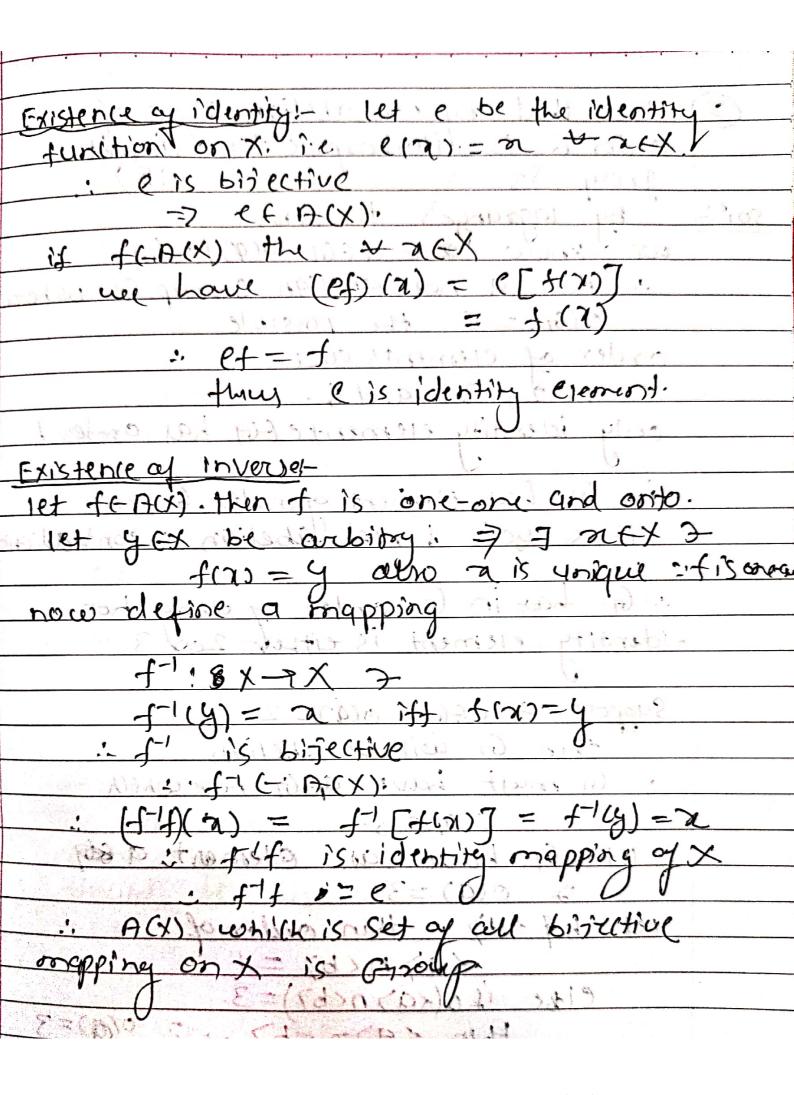
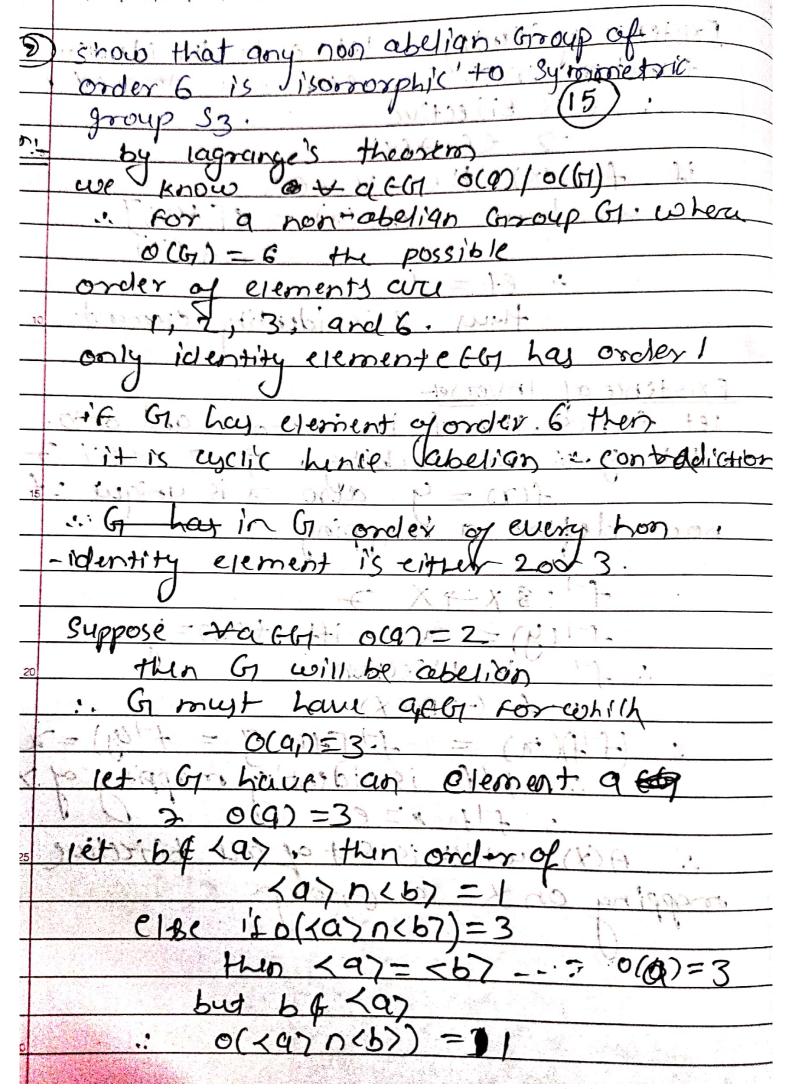
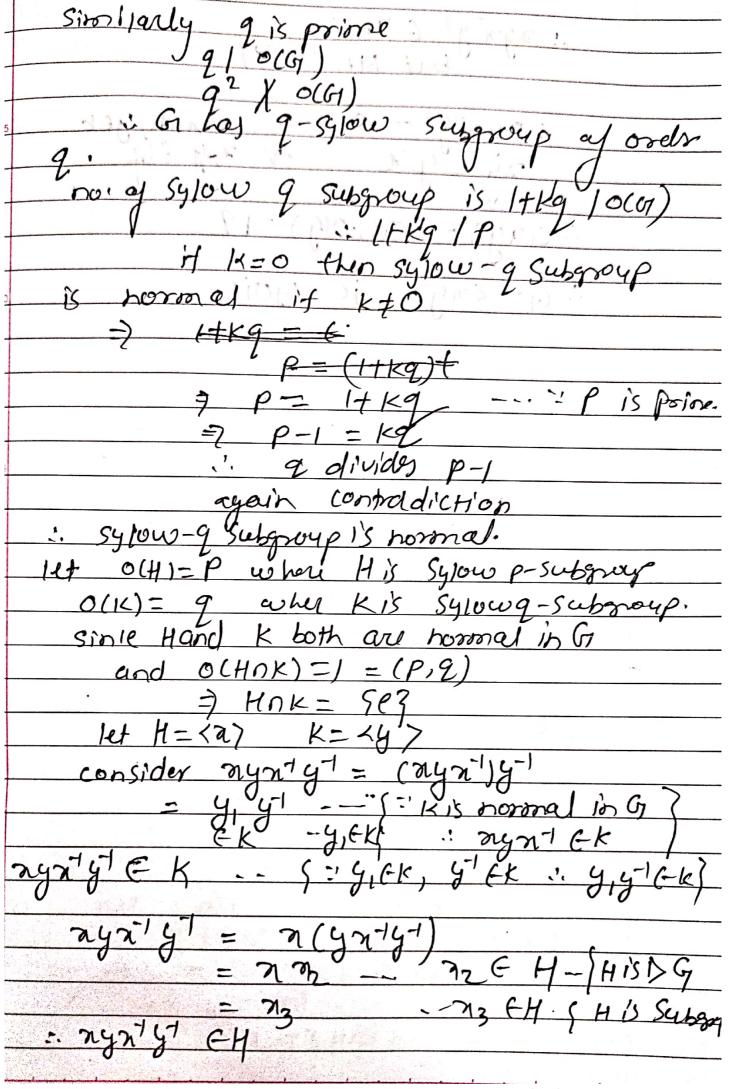
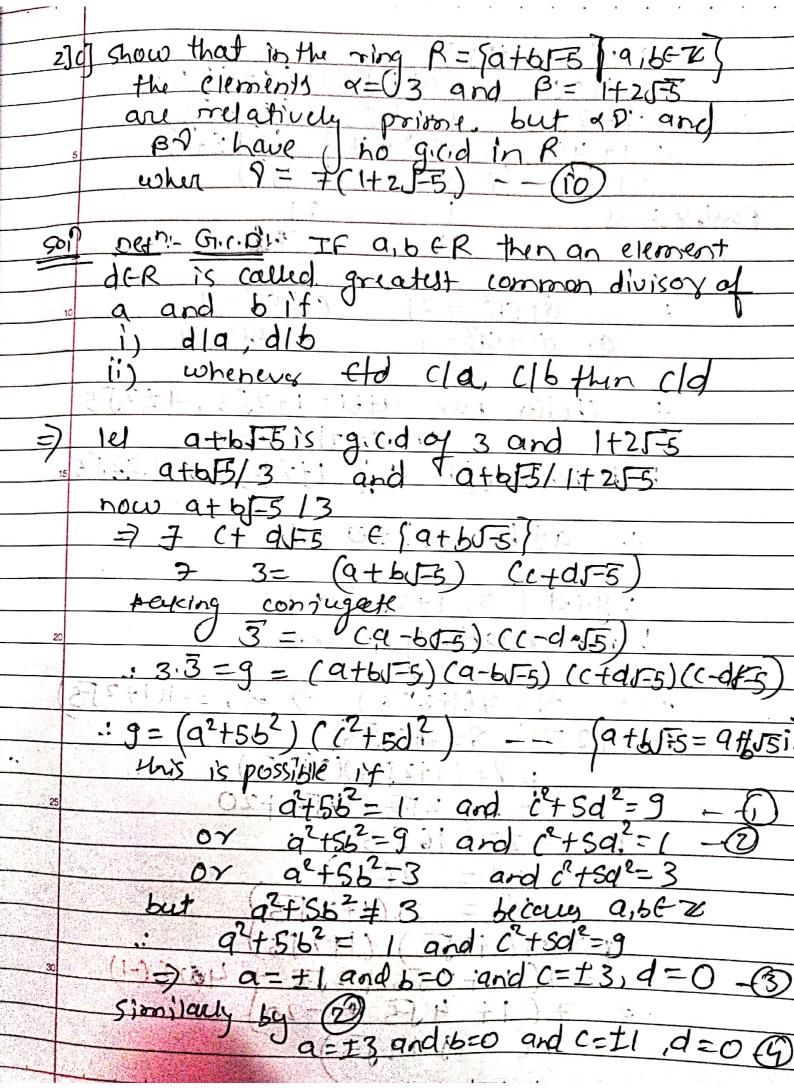
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-	
	birective function
	Brove that the set of all bijective function drown a non-empty set X onto itself
	Iron a non-empty set is unicel
5	
Sol	
	AUS. Then of and g are both one-6-one
15	mapping of Xo anto itself by the defination of composite of two function
	of composite of two function
10	of and g denoted by fy: 5x->x
	O Sura V hours
	fgin = f [gin] + xe X
	(1010) = 00000000000000000000000000000000
	Closure property)-
-	we know that It it, g- are two
15	tize the bourse of & noto itself this
41	bijective mapping of & onto itself this the composite mapping for is
~ D1 s	The Corososia constitution of the constitution
(901)	CCCN(X) ALL LAGED(X)
	- ty F 17(N) - V 01 01 01 01 01 01 01 01 01 01 01 01 01
20	5.1. 0.10 Q//5. D): + //q. q) ? 7/5
	ASSOCICE MY LOS ASSOCIATIONS OF THE SECOND O
	jet dig and his be any three element
	of A(X) thin (tg) h and righ) ave
e de la companya de l	both bizective maping on x.
25	we have
	[(fg)h]2 = (fg)[h(2)]=1
	= f[g(h(x))]
	is k while = I f [cap) con The = b with
	bas west Fix continues of the
	: (fa) = f(9h) or del or ooka bir. 001
	- Constant the Constant of the
· · · · · · · · · · · · · · · · · · ·	
Alle Ser Toron	Scanned with CamScanner





suppose 0600 =3 : | Ka7nKb7 = 1 =) | <97<67/= 9 which is contradic o(b) = 2the Six elements of G eve e, a, a2, 16, ba, ba, ba a) G= < a7 Ub < a> the product abonust be one of elements above. H. ab can not be energy bf La> ab cannot be at as b + e. ab cannot be 92 as b≠a ab can not be bas at ab can not be ba as trun ell the elements of GI will Commute. . only possibility 3 - G Las generator a, b with relation any map from G -> 530 which maps to 13 regere and bito a 2-eycle would be an isomorphism. 15 april 12050 passion





The state of the s
a+6/5/1+2/51 (etf5)
$\frac{1}{1-2\sqrt{-5}} = \frac{(a+b\sqrt{-3})}{(e-b\sqrt{-3})} = \frac{(e-b\sqrt{-3})}{(e^2+5f^2)}$
Cartob
$\frac{1+4(5)}{21} = \frac{(9+5b^2)}{(a^2+5b^2)} = \frac{(9+5b^2)}{(a^2+5b^2)}$
A MANUAL PROPERTY OF THE PROPE
ossible choicy
The second secon
2. 512 - 21 Pt58=1
9+56 = 2
or a2+5b2=1
1 /holes Go athi=1+255, -1±25-5
Choria 1-07 4to1 = 1 43
1000 a 241, 16200
but From (9) a / 1+25 or -1 +253
Elejoto oni
-: at bilize pli to =1,6 +0 +
3 1+25-50 = 1
- 9(0 (3, 1+25-50)= Jos parason
mince relatively prime.
23, A=7(1+2/5c) = 20-21/1+2/5c)
B=1+2, F=5 - 9-27(H2) F=5)
The state of the s
B7= (1+2,5)(7/1+2,5)
7 - 7 - 7 - 10 - 7 - 10 - 5 - 20
G2 = C
1330 MJ & 2 = 21 (142: (15)
2) (1/2) (1/2) (1/2)
1 + (1+14+5) (1+2/5)
= 1 45X5(-1)
1 T T J T T T T T T T T T T T T T T T T
T-W-T445)0

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can see that 7 divides both