19k-0273 (BCS-5H)	
Assignment #3	
Q-1) Givens 34/2=99%=2.68, X=0.2, 1=	18,0=0.0718795
= 0.2± 268 0.0718795	
2) 0.156284 < M < 0.243740 Ans	
Q.2) Givens- $(SU = 1.4)$ $X = 3.3$ , $3 \times 2 = 1.9$ $X_2 = 4.8$ , $0 = 1.6$ , $0 = 12$	6, n = 18
$\frac{1}{12} = \frac{1}{12} $	1 = 0.8808
So, Productest (0.8808, 28) = 0.1929	
= Reduce = 0.42970=0.05 Hence, fail to reject Ho. Ans	

## 194-0273



(23) Givens L=-2.686+, If = 17.832, p-value=0.01536

- alternative hypothosis 9is Line as difference in mean isn't equal to Zevo. Hence, 95% confidence internal gives:

  = (-131.48826, -15.89269)
- = Sample estimate mean of x & ys
- = (394.8429, 468.333)
- = p-4hu=0.01536<0.05

Hence we reject null hypothesis. Ans

QUY AVOVA:

	95	22	MS	3	Shartana
regrassion	1	1259.046	1239.246	8.614789	0.62568
residual	8	868.8286	468.4411	1-045	
total	7	2127.875			

	coefficients	Standard error	t-stat	Prvalue	Janes 95%	cy
Intercepts	The second secon	219780	And the second s	0.20544	2899	2
Fites	1.029684	0.3492	2.94862	0.2565	0.75202	1.8

Hence, regression equation is, Y = -31.21 + 1.03X

when, X=60°

Y=-31.21+1.03(60)

	19k-	6140				3	
Q.6) Regression	States						
MattaleR	0.83+	18187	B				
ethelliple R R.Square	0 7x12	BOBA					
Adjusted Raquare	0.684	189708					
Standard Error		8018R	V				
Obswiden	12						
ANOVAS		S	4	-			
97 J	SS	M3		12		Sprincance	
	Po4.29	The second secon		100	3682	18400.0	
Residual 9	2003.374	B 122 F					
Total 11	3.fof2	36	711				
10.100	1 101	0 00				_	
Interest -33 83		abad Brey H258			P-Value		
Intercept -38,839		39%	-0,31	-	o HSSHE		
	1660 HS		11691.1	995 0.7260 1963 0.5088		8 L.	
	10001 111		<u> </u>	ω	0.00-0	oy one	
Qo7) Giveys							
level of sign	MACAINE =	0.05,	XA = 5.	44	P.F.=9X	X. 43.	
Jewel of sign	xp=69	B, Tran	n=5.	31	5	1102.01	
" 28 = Zhj.	$(X_3^n-X_3^n)$	-11210	1		-10		
: SB= Zhj. = (5(5) (5(6)	44 -5 5	16)7+ (5	(49)	5.51	6))+		
= 48 H	11C 10-7:3	10))					
7. OF =	10						
Similarly, for T	400	77- 4	5.000		P 100	OPDA	
1 10 4	ا ماسان	331 = 2	2/20	_'X	)=13+	1536	

## 19k-0273 Within Groups SSW=ST-SIR =>SSW=137-9536-78.4216 = 59.532 Now, no of dogree Procedoms 4=1-2=A26 : MSB = SSB = 7.8424B = 19.6049 WHIN GHOUPE Jw=25-5=20 : MSw = SSw = 54.582 = 2.9768 Finally, calculating F-Statistics 6.5865 f=M&B = 1906049 MR.11 2.9766 MSW => P-18he = 0.0014 " P is loss than the level of significance (i.e. a.B), hence hull hypothesis is rejected, Ans