(10 points - 15 minutes)

5. The following data are "random" measurements of responses to eight different "treatments". An incomplete Analysis of Variance table is given. Use the data to complete the ANOVA table (but do not include a p-value). Then use the results in your your table to carry out the appropriate test of the claim that the true means of the eight populations are all equal.

(Use $\alpha = 0.025$ for this test)

	Treatment							
	A	**B**	**C**	**D**	**E**	**F**	**G**	**H**
	107	100	108	104	101	96	111	110
	104	98	95	101	100	97	104	117
	97	93	102	109	101	103	112	115
	100	95	99	98	106	99	110	109
	105		98	97	95	100	119	
	102		96	89		105		
	101		96	103		108		
	96					97		
	Sample Statistics for each Treatment							
Mean	101.5	96.5	99.1	100.1	100.6	100.6	111.2	112.8
Std. Dev.	3.82	3.11	4.56	6.34	3.91	4.31	5.36	3.86
N	8	4	7	7	5	8	5	4

Overall Mean = 102.25

H_1: _____

H_0: _____

Analysis of Variance

Source	df	SS	MS	F
Treatments			158.81	
Error				
Total		1959.0		