B. Using the chart on the previous page, calculate the following values.

$$SS_T = \Sigma[\frac{(\Sigma x_T)^2}{n}] - \frac{(\Sigma x)^2}{N}$$
$$SS_E = \Sigma x^2 - \Sigma[\frac{(\Sigma x_T)^2}{n}]$$
$$SS_{TOTAL} = \Sigma x^2 - \frac{(\Sigma x)^2}{N}$$

$$MS_T = \frac{SS_T}{t-1} =$$
$$MS_E = \frac{SS_E}{N-t} =$$

C. Complete the following chart using data accumulated to this point.

Variance Analysis Summary Table				
Variance Sources	df	Sum of the Squares	Mean Squares	ANOVA
Between Treatments	t - 1 =	SS_T =	MS_T =	
Within Treatments (error)	N - t =	SS_E =	MS_E =	F =
Total Variance	N - 1 =	SS_{TOTAL} =		

D. Using the 5-step approach to hypothesis testing, test at the .05 level whether these sample means come from populations with equal means.

E. Answer problem D at the .01 level of significance.