

## Short Problem Set 4

The following data are a subset of data drawn from the replicate determination of Fe in three vitamin tablets (in mg Fe/100 g) from the same bottle. Complete an analysis of variance and determine if there is a significant difference between the tablets at  $\alpha = 0.05$ . In addition, report your best estimate for the variance due to random errors. Be sure to show your calculations.

Trial	Tablet A	Tablet B	Tablet C
1	5.67	5.75	4.74
2	5.67	5.47	4.45
3	5.55	5.43	4.65
4	5.57	5.45	4.94