Final Exam - Grading Criteria

Grading criteria (not in order of importance):

Presentation

1. Are the results neatly presented? You must turn in a typed (word processed, LaTex) report for each question.
2. Is the presentation well organized and concise (not overly long)?
3. Is supporting computer output provided (in edited form - that is, edit out all the extraneous information)? Remember that R or SAS must be used for model fitting and for all plotting.

The model

1. Is one “final model” presented? I do not want you to describe every model you tried - just the final model and important hypothesis tests that led you to that model. If there are two or more models that seem to fit equally well, you may describe them briefly but decide on one final model based on the experimental design and the goals of the experimenter. Remember there is no one right answer.
2. Is the model linear (do not use nonlinear models)?
3. Is the model appropriate for the design and the questions of interest?
4. Does the model fit the data and are appropriate diagnostics (including plots) given?
5. Are correct interpretations given for ALL the parameters in the model?

Conclusions

1. Are the conclusions drawn from the model correct and do they answer the questions of interest?
2. Are the conclusions illustrated with plots?
3. Are the appropriate hypothesis tests (supporting the conclusions) described and documented?