Experiment 11 - Kinetics of Food Dyes Feedback Form

Complete this form and use it to assist you with *Prelab Quiz 11*. Do not hand in the feedback form to your TA.

Α.	In the space below, prepare data tables to record data for your simulation experiments: volumes and initial concentrations of dye and bleach in solutions you prepared in both experiments (Step 1 and 3), k' values (including units), and Beer's Law slope. Record all this data while you perform the experiments. Explain your experiments in a short paragraph.
В.	Answer the following questions using your kinetic traces.
1.	What is the reaction order in dye (m) and in bleach (n)? What is the basis for your conclusions?
2.	Calculate the rate constant (k) for the reaction of Yellow 6 with bleach with 2 significant figures, for the two experiments you have conducted (Step 1 and 3).
	Formulate the rate law for this reaction.