Q1. Which type of battery did you measure in E1? What values did you find for $v_{oc}$, $i_{sc}$, and $R_s$? What is the maximum power that can be drawn from the battery? Attach a labeled Matlab graph of the i-v characteristic of the battery, showing the points you measured and the linear interpolation you did to find $v_{oc}$, $i_{sc}$, and $R_s$. Attach any relevant piece of information. Explain!

Q2. What values did you find for $v_{oc}$, $i_{sc}$, and $R_s$ for the two different kinds of AAA batteries in E2? What are the maximum powers that you can get from the series and parallel combinations of the two types of batteries? Can you recommend both the series and parallel combinations? Explain your reasoning. Attach any relevant piece of information. Explain!

Q3. What are the values for $V_o$ that you obtained in E3? What resistance value did you find to cause maximum power transfer? What method did you use to demonstrate it? Attach a graph that relates power transfer and load resistance, and explain how you obtained it.