

Name _____ Date/Time _____ Page 1 of 2

Lab Partner _____ Instructor _____

Experiment 12 Electric Fields and Equipotential Lines

1. Procedure: (As you are doing this experiment, please write down a rough outline of the steps you are taking in using the apparatus to collect the data and describe how to make the maps using that data.)

2. Map 1: Explain the configuration of the equipotentials and the electric field for the first set of conductors.

3. Map 2: Prediction—Explain the drawing you made for the map of the second set of conductors.

4. Map 2: Actual—Compare the actual map you made for the second set of conductors to the predicted map.