

# Asynchronous Activity 1, Worksheet

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## 1 How to Submit this Worksheet

1. Download this PDF to your device.
2. Complete the procedure below.
3. Scan your document into a PDF using a Smartphone app, or simply a photo. One example app is SimpleScanner. Websites also exist to convert jpg to PDF format (e.g. <https://smallpdf.com/jpg-to-pdf>).
4. Upload your worksheet PDF to Moodle via the submission link.

## 2 The Procedure

Repeat the procedure performed in the tutorial videos on Moodle: *Asynchronous Lesson 1, parts 1 and 2*. However, choose your own distances in the  $\vec{E}$  vs.  $r$  calculation, and your own charge values in the  $\vec{E}$  vs.  $q$  calculation. Graph your results below, and label the axes of the graphs with the correct units.