

**Prelab Questions**

These questions need to be completed before entering the lab. Please show all workings.

**Marker's  
Initials**

**Prelab 1**

Sketch electric field lines and equipotential lines for the positive and negative point charges shown below. Treat these as separate point charges (not interacting).

**Prelab 2**

Sketch the electric field based on the configuration of the electric potential illustrated by the dashed lines below.



**STAPLE YOUR PRE-LAB TO THIS PAGE**

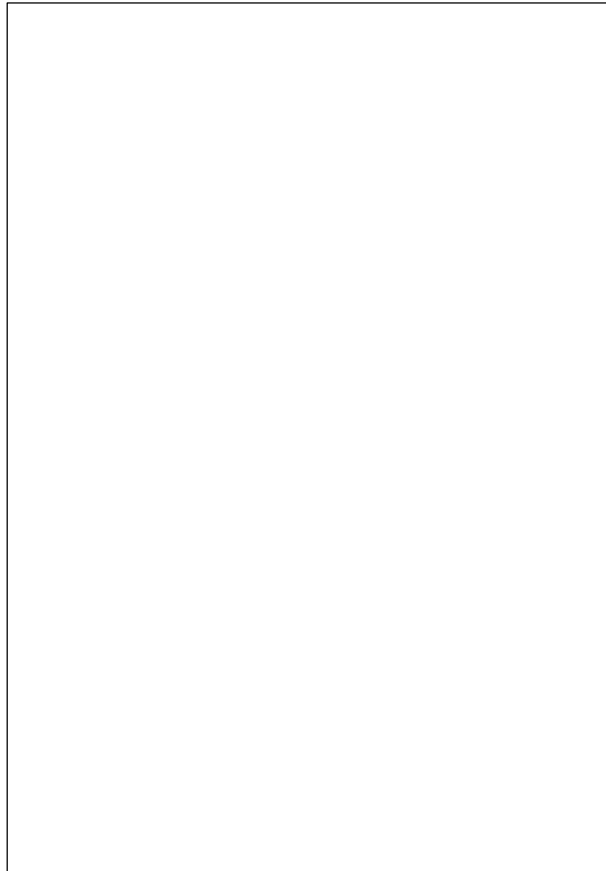
**Name and Student Number:** \_\_\_\_\_

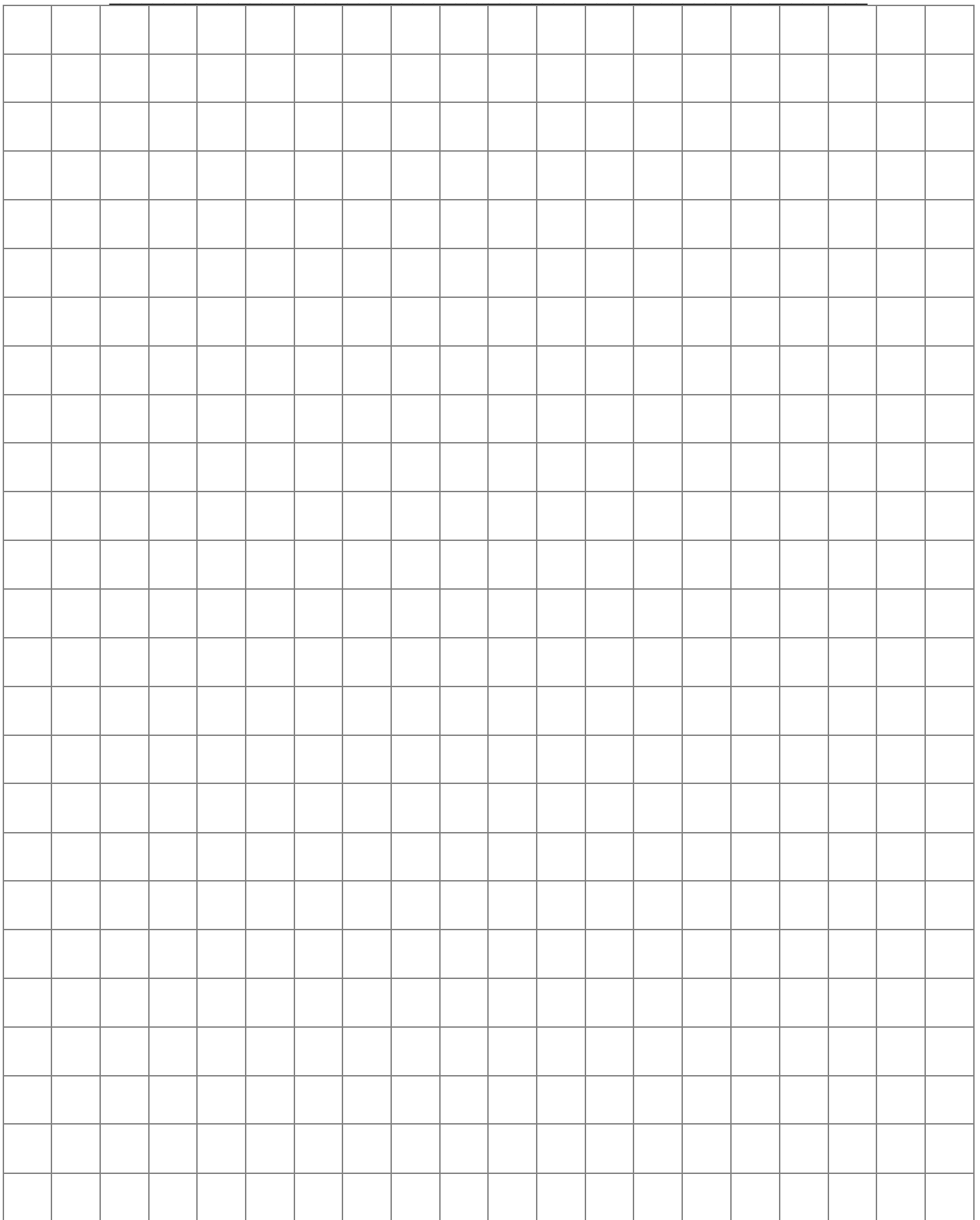
**Partner:** \_\_\_\_\_

**Date:** \_\_\_\_\_

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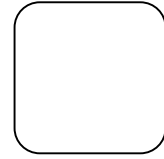
**QUESTION 1:**

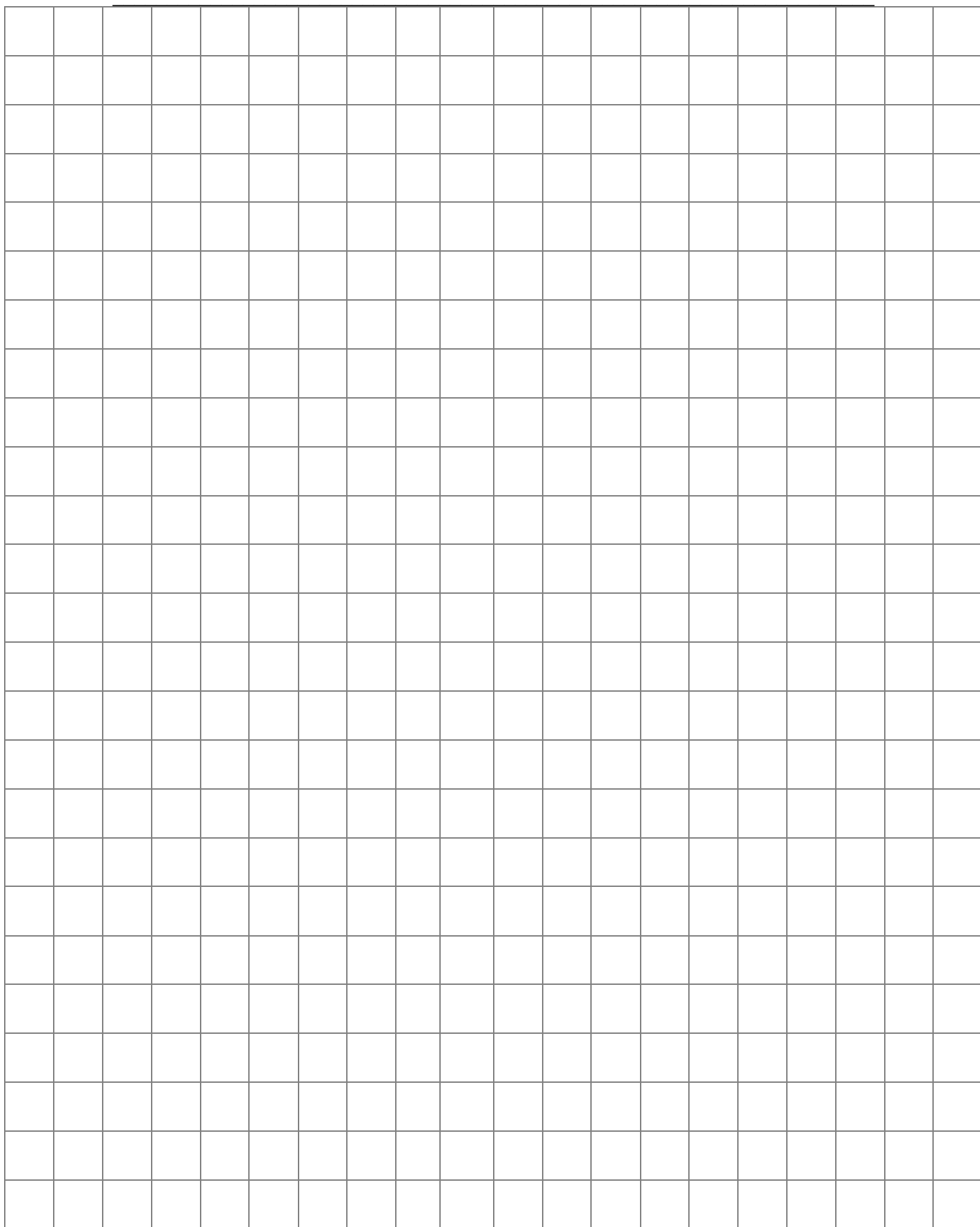




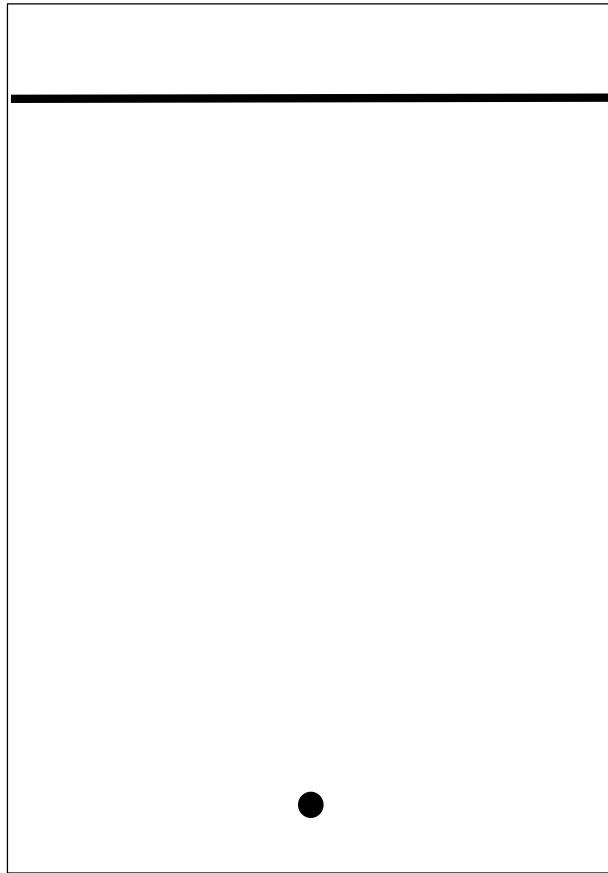
**CHECKPOINT:**

Verify first equipotential is correct.

**QUESTION 2:****QUESTION 3:**



**QUESTION 4:****QUESTION 5:****a)****b)**

**QUESTION 6:****QUESTION 7:**