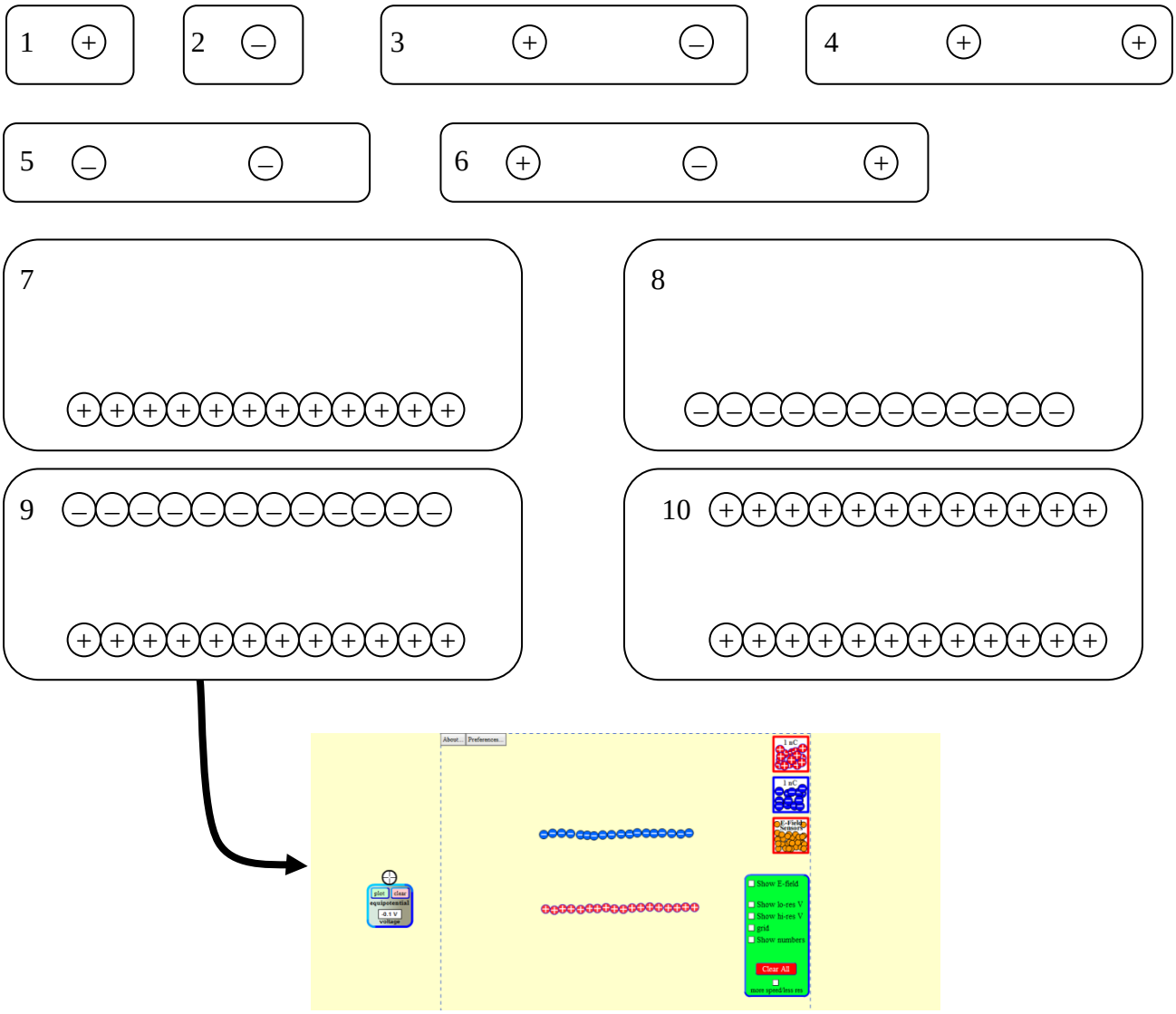
Electric fields (prac simulation)

PART A

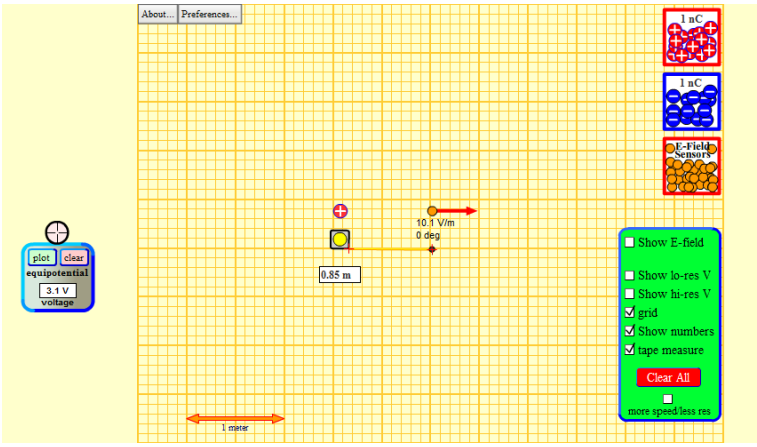
Sketch the electric field patterns for the following using the pHET “Charges and fields” applet.
(Click “Show E–Field. You may use thin arrows or lines in *your* sketched copies of fields.)



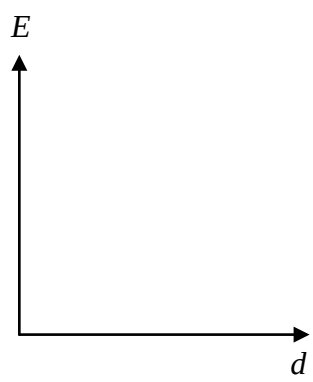
[Optional challenge: What does the “equipotential plot” indicate?]

PART B

Produce a graph of Electric field strength versus distance from a single charge.
(Drag an orange dot to the workspace and click “show numbers”, grid and tape measure.)
Suggest an equation for *E* in terms of *d*.



d (m)	*E* (V/m)



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