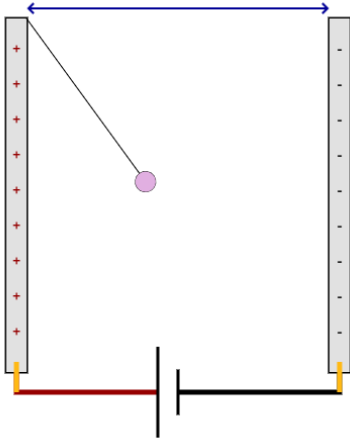
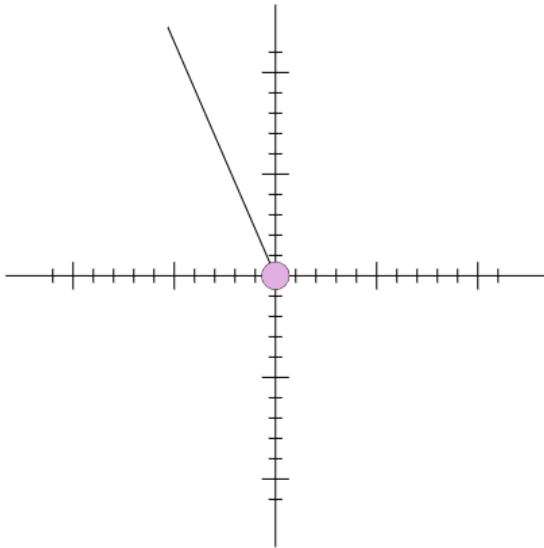


Charge on a String in Electric Field

Step 1: Fill in all the different parameters for your problem. Then calculate the strength of the electric field between the plates of the capacitor. Show your work neatly below



Step 2: On the ball below draw in the forces that are acting and break into components if necessary. Calculate the value of all these forces to the right of the coordinate axes.



Step 3: Show the calculation for the charge on the ball. Be careful of the metric prefixes and put your answers into the program to make sure you have done everything correctly.