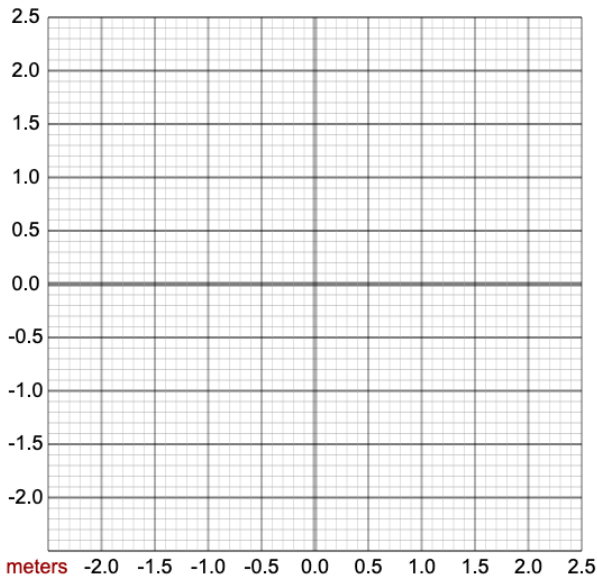


# Charge Causing Electric Field

Step 1: Draw in your charge and sensors onto the axes below. Make sure to show the direction of the electric field on sensor A as well as the strength of the field at sensor A. Based on the direction of the field, determine the charge at the origin is positive or negative



Step 2: Using the location of sensor A and the strength of the field at sensor A, determine the strength of the charge that is located at the origin. Make sure you show all the work you did to find this answer

Step 3: Show the calculation for the magnitude of the field strength at sensor B. Also determine the direction of the field at sensor B. Enter your answers into the program to make sure you have done everything correctly.