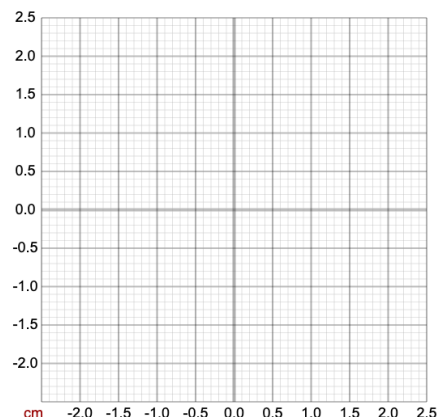


Force Electric Right Triangle

Step 1: Draw in the three charges on the axes provided. Label the charges with their number (q_1 , q_2 or q_3), their sign (+ or -), and the number of nC for each. Make sure you place them at the proper location



Step 2: Find the force (F_{13}) electric between charges q_1 and q_3 . Also tell whether the force is pushing charge 3 to the right or pulling it to the left. Show your work neatly below

Step 3: Find the force (F_{23}) electric between charges q_2 and q_3 . Also tell whether the force is trying to make charge 3 go up or down. Show your work neatly below

Step 4: Draw a force triangle for the two forces you calculated acting on charge 3. Use this to find the net force and angle (0 - 360) on charge 3. Show your work neatly below. Enter your answers into the program to see if you did everything correctly

