Kinetic Energy to Oscillation

Step 1: Fill in the information about your system into the picture below

Step 2: Show the calculation for finding the energy of the system before the hover puck hits the spring.

Step 3: Show your calculation for finding the amplitude of oscillation (this will be the amount the spring compresses when hit by the hover puck).

Step 4: Show your calculation for the frequency of the oscillation of the spring.   Enter the answers into your program to make sure you did everything correctly

Step 5: Draw the graph of your object's motion and then show on the graph the amplitude and period of oscillation. Use the period to verify it matches your frequency