Name:	Date:	Period:

Lab06: Free Fall

- Use $c_1 = 0.5$, $v_0 = 0.0$, $v_w = 0.44704$, and initialize (x, y) = (0.0, 1500.0) at time zero. Loop until we hit the ground and print t, x, y, v_x , v_y , a_x , and a_y at each timestep. Generate plots for (x, y), (t, v_x) , (t, v_y) , (t, a_x) , and (t, a_y) . Note carefully the various different scales! No sketches. Instead build a document, insert each plot, and explain what is happening; write complete sentences. If desired you may pair two time plots together (e.g., v_x and a_x) with a single explanation for both.
- Print out the finished document and attach it to this page.

Official Use Only

Header:	Name	Correct Date	Program Description
Style:	Comments	Variable Names	Modular
Data Structures:	Obvious	General	Lean
Algorithm:	Clear	Correct	Efficient
Scoring:	Raw	Late	Total

CS Principles TJHSST