

Group Name:

Item	Criteria	Points Possible	Points Earned
Data	Excel Sheet with labels and units for positions(x,y) and time	1	
Graphs	X vs Y, X vs T, Y vs T, V _x vs T, V _y vs T all with physical axes, labels, trendlines and equations shown	4	
Question 1	ImageJ measures position in pixels. Why did you have the meter stick within the camera view? How could you use it to measure position in meters?	3	
Question 2	What kind of graph is the X position vs. time graph? Y position? X velocity? Y velocity? What kind of motion do these graphs represent?	3	
Question 3	What is the acceleration in the Y direction? What should it be?	3	
Question 4	We usually assume air resistance has no measurable effect. Is that a reasonable assumption? How can you tell?	3	
Participation	Did you do the lab?	3	
	Total	20	