NameSI Physics Period					Date			
					Lab #24 (35 pts) Mrs. Nadworny			
Pa	rtners:				D	ue Date:		
Bou Procedure:				Bouncing	g Ball	NO Lab Write Up Required		
Πa	<ul> <li>centimete</li> <li>Drop the k</li> <li>nearest w</li> <li>Measure a</li> <li>Repeat fo</li> </ul>	er. Dall. Measu hole centir and record r two more	ure and record meter. the mass of trials.	d the height tl		giit to the neare	est whole  b. Estimate to the	
υa	ta Collection:	(10 pt	S)					7
	Trial							_
	1	±					±	-
	1							
	2							
	3							
	average							
Da	ta Processing:				_	method and a where appropri		
	Calculate dropped.		ge gravitatior	ial potential e	nergy that th	e ball possesse	ed right before it v (5 pts	
			ge gravitatior ghest point.	nal potential e	nergy that th	e ball possesse	ed when it (5 pts	.)

3.	How can you tell that the ball "lost" some of its initial energy when it bounced?	(1 pt)
4.	Is this energy really lost? Explain.	(2 pts)
5.	Calculate the amount of energy "lost."	(2 pts)
6.	Calculate the average speed of the ball when it hit the floor.	(5 pts)
7.	Calculate the average speed of the ball when it rebounded off the floor.	(5 pts)