Name				Date		
Name SI Physics Period			Lab #23 (30 pts) Mrs. Nadworny			
Partners:				Due Date:		
		Perso	onal Power Ratin	g NO Lai	b Write-Up Require	
Purpose:	atermine vour ners	onal nower rating	g and compare it to yo	ur nartnar's	require with	
	•		s and compare it to yo	ui partilei 3.		
Procedure: (, ,	_				
Convert your			to you	ur	in	
Record in data table.			December data table			
Calculate your			Record in data table. of the stai		ina. Catina ata ta tha	
	sure the total est tenth of a ce			or the sta	airs. Estimate to the	
					and record the	
	or wark up the si				and record the	
	eat for two more					
πορο	ode for two more	cridio.				
Data Collect	tion: (9 pts)					
			Height of stairs		Time	
Trial	Mass (kg)	Weight (N)	(cm)	(m)	(s)	
			, ,	` ′	` ´	
1			±	±	±	
2	_					
3	_					
average						
	oing Anoug	ar all augotions	holow using the CUE	CC mathad and an	nronrioto	
Data Proces	•	cant figures.	below using the GUE		propriate	
		•				
1. Cald	culate the work o	lone as you clim	bed the stairs.		(5 pts)	
2. Calc	culate vour avera	age power rating	g as you climbed the	stairs.	(5 pts)	
	, ,	G- 1	, ,		(- /	
0 0 1						
3. Cald	culate your avera	ige speed as yo	u climbed the stairs.	[Do NOT use v=d/t.]	(5 pts)	
			, less, the same) wo	rk in (more, less, th	e same) time,	
mal	king me (more, le	ess, equally) pov	verful.		(3 pts)	