Name	Date	
SI Physics		Lab #22 (30 pts)
Period		Mrs. Nadworny
Partners:	Due Date:	
	Personal Power Rating	NO Lab Write-Up Required
Purpose:		Prequired
To determine your person	al power rating and compare it to your partner's.	Torion (

Procedure: (3 pts)

- Convert your _____ in _____ to your _____ in _____.
 Record in data table.
- Calculate your _____. Record in data table.
- Measure the total ______ of the stairs. Estimate to the nearest tenth of a centimeter.
- Run or walk up the stairs at ______ and record the ______ it takes you.
- Repeat for two more trials.

Data Collection: (9 pts)

			Height of stairs		Time
Trial	Mass (kg)	Weight (N)	(cm)	(m)	(S)
			±	±	±
1					
2					
3					
average					

Data Processing: Answer all questions below using the GUESS method and appropriate significant figures.

- 1. Calculate the work done as you climbed the stairs.(5 pts)
- 2. Calculate your average power rating as you climbed the stairs. (5 pts)
- 3. Calculate your average speed as you climbed the stairs. [Do NOT use v=d/t.] (5 pts)
- 4. Compared to my partner I did (more, less, the same) work in (more, less, the same) time, making me (more, less, equally) powerful. (3 pts)