PCS125 -Simple Harmonic Motion - Report Rubric

Presentation			
Report is neatly written, well organized		/	3
well formatted, includes identifiable information			
Introduction			
Main goals of experiment stated		/	0.5
Explain what observations will be taken		/	0.5
Theory			
Theory explained showing comprehension			1.0
Primary equation stated or derived (when applicable)			1.0
Procedure			
Apparatus and details outlined (either here or dedicated secƟon)	/		1
Experimental procedure can be followed/repeated	/		1
Data			
Part I			
Data table with mass vs. stretch		/	1.0
Correct units in table		/	1.0
Uncertainty in stretch recorded		/	0.5
Part II			
Data table with mass, amplitude, and period		/	2.0
Correct units in table		/	1.0
Uncertainty in T is reasonable and recorded		/	0.5
Uncertainty in A is reasonable and recorded		/	0.5
Analysis			
Part I			
Graph of mass vs. stretch created		/	1.0
Correct units on axes		/	1.0
Value of k computed from graph		/	1.0
Part II			
Phase constant calculated correctly		/	1.0
Fit equation A,B,C,D recorded		/	1.0
Comparison of A,B,C,D with expectations		/	1.0
k calculated		/	1.0
Quantitative comparison of k values made		/	1.0
Wrap Up questions			
#1		/	0.5
#2		/	3.0
#3		/	1.0
Total		**/**	**27.0**