	A	B	C	D	E	F	G	H	I	J	K
1	Your name		Date								
2	Partner's name										
3											
4	**Phys 1101/1120 - Richmond campus**				**DISCLAIMER: These example data are purposefully**						
5	**Expt. 4: The Simple Pendulum**				**inaccurate. You may test your spreadsheet equations**						
6					**for correctness using these values, but your real**						
7	**DATA:**				**experimental values will be very different.**						
8											
9	**Pendulum Length:**				**Period:**						
10	**L (cm)**	**dL (cm)**	**dL/L**		**T (s)**	**dT (s)**	**dT/T**				
11	**21**	**0.3**	1.43%		**0.9323**	0.009323	1.00%				
12	**31**	**0.3**	0.97%		**1.1215**	0.011215	1.00%				
13	**41**	**0.3**	0.73%		**1.2897**	0.012897	1.00%				
14	**51**	**0.3**	0.59%		**1.4384**	0.014384	1.00%				
15	**61**	**0.3**	0.49%		**1.5731**	0.015731	1.00%				
16	**71**	**0.3**	0.42%		**1.6972**	0.016972	1.00%				
17	**81**	**0.3**	0.37%		**1.8128**	0.018128	1.00%				
18	**91**	**0.3**	0.33%		**1.9214**	0.019214	1.00%				
19	**99**	**0.3**	0.30%		**2.0041**	0.020041	1.00%				
20											
21	**CALCULATIONS:**										
22											
23	**Pendulum Length:**				**Period Squared:**				**Slope from Linegraph:**		
24	**L (m)**	**dL (m)**	**dL/L**		**T^2 (s^2)**	**dT^2 (s^2)**	**d(T^2)/(T^2)**		**m (s^2/m)**	**dm (s^2/m)**	**dm/m**
25	0.21	0.003	1.43%		0.869183	0.0173837	2.00%		**4.05697**	**0.151**	3.72%
26	0.31	0.003	0.97%		1.257762	0.0251552	2.00%				
27	0.41	0.003	0.73%		1.663326	0.0332665	2.00%				
28	0.51	0.003	0.59%		2.068995	0.0413799	2.00%		**Calculation of g:**		
29	0.61	0.003	0.49%		2.474644	0.0494929	2.00%		**g (m/s^2)**	**dg (m/s^2)**	**dg/g**
30	0.71	0.003	0.42%		2.880488	0.0576098	2.00%		9.73101	0.3621872	3.72%
31	0.81	0.003	0.37%		3.286244	0.0657249	2.00%				
32	0.91	0.003	0.33%		3.691778	0.0738356	2.00%				
33	0.99	0.003	0.30%		4.016417	0.0803283	2.00%				