**Experiment 4 Report Form**

**(**answers should not be in **bold)**

**Name:**

**Partner (s) name:**

**Section:**

**2.1 Questions for Preliminary Discussion**

**2.1.1**

**2.1.2**

**2.1.3**

**2.1.4**

**2.1.5**

**2.1.6**

**2.1.7**

**2.1.8**

**3. Manual Measurements of T**

**3.1(insert data table here)**

**3.2**

**4. Automatic measurement of T**

**4.1 (insert data table here)**

**4.2 (insert data table here)**

**4.3 (insert data table here)**

**(insert graph on following page)**

**4.4**

**5. Amplitude dependence of the period**

**(insert graph on following page)**

**6. Conservation of Energy**

**(insert data table here)**

**(insert graph on following page)**

**7. Damped Pendulum**

**(insert data table here)**

**(insert graph on following page)**

**8. Phase Space Portait (Extra Credit)**

**(insert graph on following page)**

**9. Analysis of Results**

**(insert summary table here)**

**9.1**

**9.2**

**9.3**

**9.4**

**9.5**

**9.6**

**9.7**

**9.8**

**9.9**

**9.10**