**Experiment 6 Report Form**

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

**Name:**

**Partner (s) name:**

**Section:**

**4. Checking DFT output vs. position**

**4.1**

**4.2 (Insert graph on following page)**

**5. Static Measurement of the Force Constant**

**5.1 (Insert data table here)**

**5.2 (Insert graph on following page**

**5.3**

**5.4**

**6. Measurement of the Period of SHO**

**6.1**

**6.2**

**6.3**

**6.4**

**6.5**

**6.6 (Insert graph on following page)**

**7. Oscillating Spring: Displacement as a Function of Time**

**7.1**

**7.4 (Insert graph on following page)**

**8. Effect of Friction**

**8.1**

**8.2**

**8.3 (Insert graph on following page)**

**8.4 (Insert graph on following page)**

**9. Questions and Analysis**

**9.1**

**9.2**

**9.3**

**9.4**

**9.5**

**9.6 (Insert Summary table here)**