**PH1140 Mass-Spring Oscillator (Day 2) - Data Sheet**

**Use the following space to record spring constants complete with uncertainty (report all digits).**

**Spring 1: k1 ± σ1 = ?**

**4-Spring Combination:: k2 ± σ2 = ?**

**Use the following space to record times and number of full oscillations from the Part 2 measurements.**

**Spring 1: N1 = ? (# of oscillations)**

**t1 = N1T1 = ? (measured time for N1 periods)**

**T1 = ? (Period of osc.)**

**4-Spring Combination: N2 = ? (# of oscillations)**

**t2 = N2T2 = ? (measured time for N2 periods)**

**T2 = ? (Period of osc.)**

**Values from curve fits with a sine wave.**