205C Falling Table 2 (using a TI calculator)

L1 = Time

L2 = distance traveled from start (in meters)

L3 = Velocity average = distance / time **= L2/L1**

L4 = Final velocity = Velocity average *2 **= L3*2**

1) Show Graph of L1 vs L4
2) LinReg (ax+b)
3) What is the slope of the line (acceleration of the ball)?

Time	Distance Y direction	V_{avg}	Vf
0			
0.0500			
0.1000			
0.1500			
0.2000			
0.2500			
0.3000			
0.3500			
0.4000			