Hooke's Law
The Force in Springs

Purpose: to determine through graphing and calculation various information from a Force vs. Extension graph.

Procedure:
1) Obtain a spring and a 0-5N spring scale. Measure and record the length (unstretched) of the spring.
2) Complete the table below.

Force (N)	Length (m)
0.0	
1.0	
2.0	
3.0	
4.0	
5.0	

Discussion:

1. Calculate the slope of your each graph showing the appropriate units.
2. What does the x-intercept of each graph represent?
3. What does the slope of a graph of Fs vs. X represent?
4. Define elastic limit.

Do a meaningful conclusion to this lab. ← It ought to reflect what the x intercept represents as well as the slopes.