

Lab #2: Spring

- make sure ruler is "zero up"
- "M" is mass added to hanger
- "y" is pointer position
- Show equation, numbers, calcs/sig figs, rounding, units

Units

$$k \rightarrow \text{N/m}$$

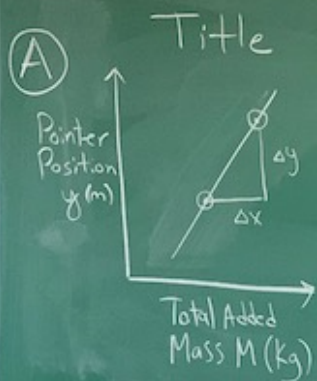
$$\text{N} = \frac{\text{kg} \cdot \text{m}}{\text{s}^2}$$

★ Count/time carefully! ★

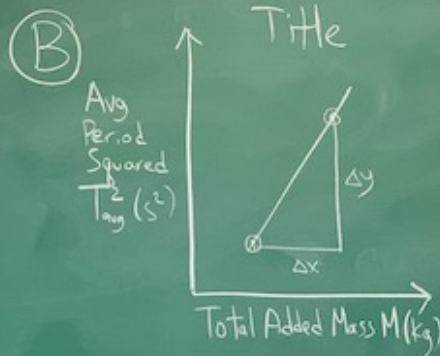
1 full oscillation



2 graphs: label fully, but do calcs in lab manual



$$m = \frac{\Delta y}{\Delta x} = \frac{g}{k}$$



"Best fit" line - choose points ON line

$$m = \frac{\Delta y}{\Delta x} = \frac{4\pi^2}{k}$$