Worksheet 7: Newton's 2nd Law, Part I

Name:	Due October 30, 2024
Partner:	Pencil only: use of Pen is forbidden.

As usual, turn your Excel document into the Google drive, with one properly formatted plot of m_2 vs a. For this first week, use Trendline/Linest to force the intercept to be zero. Use proper formatting (like worksheet #0!) for EVERY NUMBER. Next week, we'll do the same experiment, starting over with new numbers for everything.

Quantity	Result
$L_{\rm cart}$ (cm)	<u>±</u>
D [photogates] (cm)	<u>±</u>
$m_{\text{total}}\left(\mathbf{g}\right)$	<u>±</u>
$m_{\rm clip}\left({ m g}\right)$	<u>±</u>
intercept (g)	0 ± 0
$slope (g \cdot s^2/cm)$	<u>±</u>
$\mu_{ m k}$	0 ± 0
$g_{\rm calc} ({\rm cm/s}^2)$	<u>±</u>