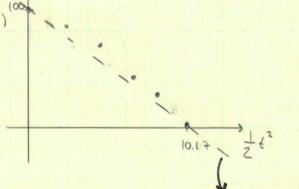
6.7) Data Given:	h(m)	+ (s)
	100	0
Assuming no drag &	80	2.02
Assuming no drag & Velouity =0 C t=0, then	60	2.86
the height model is:	40	3.5
	20	4.04
$h(t) = h_0 - \frac{1}{2}gt^2$	0	4.51

Find egn fitting linear egn to data & the experimental value of "q".

What Are We Dany?

Rewrite egn to make obvious it is linear in the unknowns.



$$h(t) = (-\frac{1}{2}t^2) \cdot q + ho$$

Want to find this line, the slipe of which is (-g)

> done in class.

Alternative (more involved): assume ho is known & solve to surp. only for "g".