MEASUREMENT OF HUMAN RESPONSE TIME

Name: _____ Date: _____ Section: _____

Partner (s): _____

Part 1: find $\overline{t_1} \pm \sigma_1$					Part 2: find $\overline{t_2} \pm \sigma_2$				
Distance between fingers = 0.025 m Starting position, P_0 = _____ (m)					Distance between hands = 0.25 m Starting position, P_0 = _____ (m)				
P_i	$d = P_i - P_0$	$t_i = \sqrt{\frac{2d}{g}}$	$\lvert t_i - \overline{t_1} \rvert$	Residual^2	P_i	$d = P_i - P_0$	$t_i = \sqrt{\frac{2d}{g}}$	$\lvert t_i - \overline{t_2} \rvert$	Residual^2
(m)	(m)	(s)	(s)	(s^2)	(m)	(m)	(s)	(s)	(s^2)

$\sum t_i$ = _____ (s)

$\overline{t_1} = \frac{\sum t_i}{N}$ = _____ (s)

$\sum \text{residuals}^2$ = _____ (s^2)

$\sigma_1 = \sqrt{\frac{\sum residuals^2}{(N-1)}}$ = _____ (s)

$\sum t_i$ = _____ (s)

$\overline{t_2} = \frac{\sum t_i}{N}$ = _____ (s)

$\sum \text{residuals}^2$ = _____ (s^2)

$\sigma_2 = \sqrt{\frac{\sum residuals^2}{(N-1)}}$ = _____ (s)

% deviation = _____ %