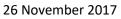
Harold's Kinematic Graphs "Cheat Sheet"



Distance, Velocity, Acceleration, Jerk						
	Area	Slope	Equations		T	ime Graphs
Distance	Υ	\checkmark	x		slope = v $-area = ?$ t	
Velocity	↑	↓	$v = \frac{x}{t}$		v slope = a area = x t	
Acceleration	Υ	¥	$\downarrow \qquad \qquad a = \frac{v}{t} = \frac{x}{t^2}$		$a \\ slope = j \\ area = v \\ t$	
Jerk	Ŷ	\rightarrow	$j = \frac{a}{t} = \frac{v}{t^2} = \frac{x}{t^3}$		j slope = ? area = a	
Polynomials	Constar Linear Quadra Cubic Quartic	tic x^1 x^2 x^3	$x^1 = x \rightarrow mx + b$		$ \begin{array}{c} $	
Constant velocity				Constant acceleration		
Celocity Time	Time	Velocity	Time Time	Velocity	Time Time	Time Time
Positive velocity			Negative velocity		Positive acceleration	Negative acceleration