Unit 0: Math Skills - Things To Memorize

X-axis	Y-axis	Slope	Area
Time (t)	Position $(\vec{x})$	Velocity $(\vec{v})$	
Time (t)	Velocity $(\vec{v})$	Acceleration $(\vec{a})$	Displacement $(\vec{d})$
Time (t)	Acceleration $(\vec{a})$	Jerk $(\vec{j})$	Change in Velocity $(\Delta \vec{v})$
Time (t)	Force $(\vec{F})$		Impulse $(\vec{J})$
Displacement $(\vec{d})$	Force $(\vec{F})$		Work* (W)
Acceleration $(\vec{a})$	Force $(\vec{F})$	Mass (m)	
Velocity $(\vec{v})$	Momentum $(\vec{p})$	Mass (m)	
Time (t)	Angular Position $(\vec{\theta})$	Angular Velocity $(\vec{\omega})$	
Time (t)	Angular Velocity $(\vec{\omega})$	Angular Acceleration $(\vec{\alpha})$	Angular Displacement $(\vec{\theta})$
Time (t)	Angular Acceleration $(\vec{\alpha})$		Change in Angular Velocity $(\Delta \vec{\omega})$
Time (t)	Torque $(\vec{\tau})$		Change in Angular Momentum $(\Delta \vec{L})$
Angular Acceleration $(\vec{\alpha})$	Torque $(\vec{\tau})$	Moment of Rotational Inertia (I)	
Angular Velocity $(\vec{\omega})$	Angular Momentum $(\vec{L})$	Moment of Rotational Inertia (I)	