Position	Displacement	Velocity	Acceleration
Angular Position	Angular Velocity	Angular Acceleration	Speed
Distance	Vector	Scalar	Tangential Acceleration
Radial Acceleration	Object is speeding up	Object is slowing down	Constant Acceleration
Velocity perpendicular to acceleration	Motion on inclined plane	Freefall	Bridge equations $s = R\theta$ $v = R\omega$ $a_{\tan} = R\alpha$
$v = v_0 + at$ $v^2 = v_0^2 + 2a\Delta x$ $x = x_0 + v_0 t + \frac{1}{2}at^2$ $x = x_0 + \left(\frac{v + v_0}{2}\right)t$	Object is changing direction	Velocity same direction as acceleration	Velocity opposite direction to acceleration

(Rate of change / derivative / slope of tangent line of time graph) gives	(Rate of change / derivative / slope of tangent line of time graph) gives	(Rate of change / derivative / slope of tangent line of time graph) gives	(Rate of change / derivative / slope of tangent line of time graph) gives	(Integral / area under time graph) + initial value gives	(Integral / area under time graph) + initial value gives
(Integral / area under time graph) + initial value gives	(Integral / area under time graph) + initial value gives	Occurs because	Occurs because	Happens when	Happens when
Is the rotational equivalent of	Is the rotational equivalent of	Is the rotational equivalent of	Can be found through	Can be found through	Can be found through
Is the magnitude of	Is the magnitude of	Is an example of	Is an example of	Is an example of	Is an example of
Is a	Is a	Is a	Is a	Lets us use	Lets us use
Lets us use	Lets us use	Difference of values gives	Difference of values gives	Difference of values gives	Difference of values gives
Is the magnitude of	Is the magnitude of	Is an example of	Is an example of	Is an example of	Is an example of
Is a	Is a	Is a	Is a	Lets us use	Lets us use
Lets us use	Lets us use	Difference of values gives	Difference of values gives	Difference of values gives	Difference of values gives