## Cheatography

## Tahsili Physics (Mechanics) Cheat Sheet by TheGoldenClover via cheatography.com/201551/cs/42689/

Formulas of Gravitational Acceleration		Friction Force	
vf = vi + gt		normal force	a contact force in which a surface vertically
$df = di + vit + 1/2 gt^2$			affects an object
$vf^2 = vi^2 + 2g(df - di)$		friction force	a force that prevents an object's motion
g is negative when an object is thrown up, and positive when it falls		types of friction	static and kinetic
down		formula of friction force (static)	f= μs x mg
Formulas of Constant Acceleration vf = vi + at		formula of friction force (kinetic)	f= μk x mg
$df = di + vit + 1/2 at^2$		formula of Normal	F = mg (vertical) or the object's weight
$vf^2 = vi^2 + 2a(df - di)$		Force	(horizontal)
		μs > μk	
Newton's Laws of Motiona		friction depends on mass, not surface area	
First an object at rest stays at rest, and an object in motion		weight is measured in N, mass is measured in Kg	
Law stays in motion unless an unbalance	ed force is applied		
Second F = ma Law			
Third The law of action and reaction			
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