UNIT 4
EQUATION "CHEAT SHEET"

Name	Equation	Variables
Momentum	$\vec{p} = m\vec{v}$	p: momentum m: mass v: velocity
Kinetic Energy	$KE = \frac{1}{2}mv^2$	KE: kinetic energy m: mass v: velocity
Impulse	$\text{Impulse} = \vec{F} \cdot t$	F: force t: time the force is applied
Impulse-Momentum Theorem	$\vec{F} \cdot t = \Delta\vec{p}$	F: force t: time the force is applied Δp: change in momentum
Impulse-Momentum Theorem (alternate form)	$\vec{F} = \frac{\Delta\vec{p}}{t}$	F: force t: time the force is applied Δp: change in momentum