Quiz:

From memory, complete the table below:

Rotational Motion Quantity	**Symbol**	**SI Unit**		**Linear Motion Quantity**	**Symbol**	**SI Unit**
Moment of Inertia						
Angular velocity						
Angular momentum						
torque						
Rotational Kinetic Energy						

Which is the only quantity that has the same SI units for rotational and linear motion. Why is this?

From memory, complete the table:

Name of Formula	Formula	Analogous Linear Motion Formula
Definition of Angular Momentum		
Impulse Formula for Rotational Motion		
Definition of Rotational Kinetic Energy		

Write from memory, the conservation of Linear Momentum:

Write, from memory, the conservation of Angular Momentum:

Write, from memory, the work-energy theorem, accounting for rotational motion.