Note Taking Guide - Episode 701

	of Motion: Translational Motion: -		
2.	Rotational Motion:		
	•		
Centei •	r of Gravity:		
When •	an object's center of gravity is -		
	an object is balanced, it is in rotational stable equilibrium -	;	
	unstable equilibrium -		
	center of gravity and aonal stability.	base of support	contribute toward

Rotational Inertia:

- ٠.
 - •

Rotational Inertia depends on:

- •
- The greater the distance from the ____ of rotation, the ____ the rotational inertia.

A spinning girl brings her arms close to her body to _____ her rotational inertia and make her spin _____.

When a solid disk and a hollow ring of the same mass roll down a ramp, which one will reach the bottom first? _____ Explain.

Torque:

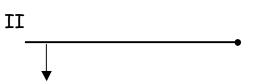
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torque = _____X _____

T = _____

lever arm (r) is the distance from the ______ point to the _____.

I ______



Which of the identical forces produces more torque, I or II? _____ Explain.

problem set #1 and Show What You Know (on back)