	PHYS III0 Worksheet: Angular Momentum
1.	A 2.00-kg point mass travels in a circular path of radius 3.00 meters at a constant speed of 4.00 meters per second.
	A. What is its angular velocity?
	B. What is the magnitude of its momentum?
	C. What is its angular momentum?
2.	A 2.00-kg cylinder has a radius of 0.10 m.  A. What is its moment of inertia for rotation about its principal axis?
	B. What is its moment of inertia for rotation about a parallel axis 3.00 meters from its center of mass?
	C. What is its angular momentum when it rotates in this 3.00-m radius circle at a tangential speed of 4.00 meters per second?
	D. What is its kinetic energy when it rotates in this 3.00-m radius circle at a tangential speed of 4.00 meters per second?