## **ROSE-HULMAN INSTITUTE OF TECHNOLOGY**

Department of Mechanical Engineering

ES 204	Mechanical Systems

Quiz - Le 16

Name: \_\_\_\_\_

- 1. Write the rate forms of conservation of linear and angular momentum for a closed system.
- 2. Write the finite time forms of conservation of linear and angular momentum for a closed system.

- 3. Write the finite time form of conservation of energy for an adiabatic closed system.
- 4. The bar below is rotating at 2 rad/s clockwise. Determine the velocity of point B using *vector algebra*.

