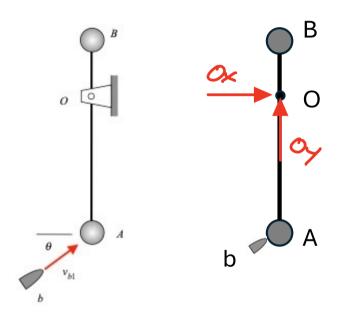
## **ME 274 – Spring 2025** Quiz09 - 1:30 section

Name

01

Given: e < 1

Find: Draw FBD for A+ B + b + bar and answer T/F below



During impact, for A + B + b + bar:

(A) TRUE or FALSE: linear momentum is conserved

TRUE or FALSE: angular momentum about A is conserved

TRUE or FALSE: angular momentum about O is conserved

TRUE or FALSE: mechanical energy is conserved

(a) IF to = In. mom. not conserved

**Q2** 

Given:  $v_{A2} = 0$ 

Find: The value for e.

