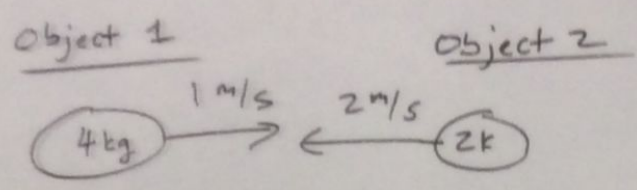


INElastic Collisions

Name: _____

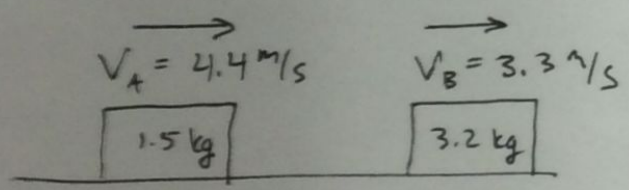


- Conditions

 - 1.) $\vec{P}_i = \vec{P}_f$
 - 2.) $KE_i \neq KE_f$

#1) What are the final velocities of objects 1 & 2?
 (Use conditions of conservation of momentum and KE)

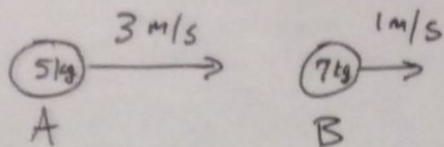
#2.



~~Use the coefficient of restitution:~~
 ~~$V_{Bf} - V_{Af} = \Delta V_0$~~
 Assume no friction, totally elastic.

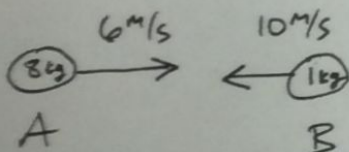
Find the velocities of each block after the collision.

3



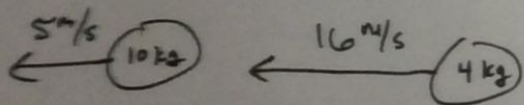
Find final velocities
IN ELastic collision.

4



Find final velocities.
IN ELastic Collision.

5



Find final velocities.
IN ELastic collision.