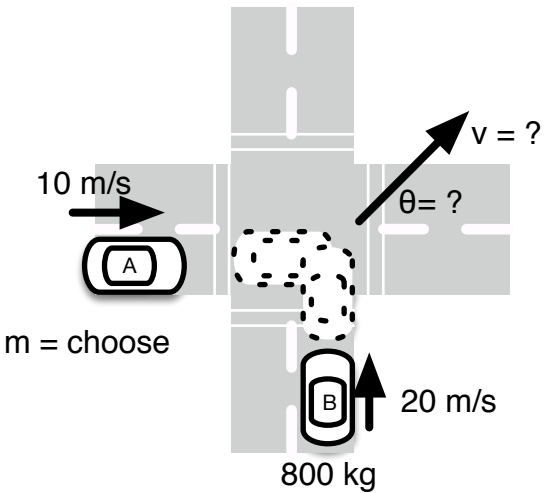


Corona Wk 6 Conservation of Momentum

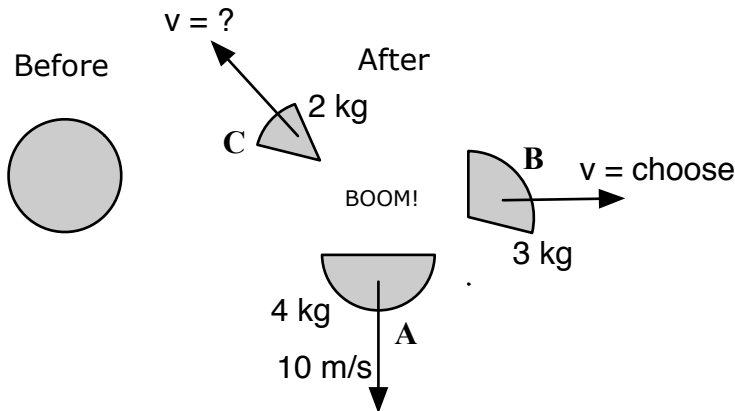
4. DU Problems - Choose 2

FOR ALL PROBLEMS, ASSUME THERE ARE NO OUTSIDE FORCES.



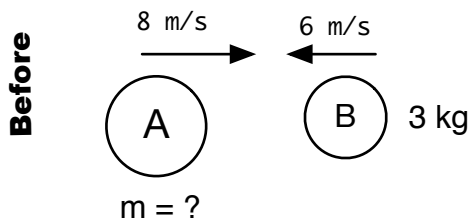
The two cars hook together after the collision. Calculate their final velocity and angle.

(Choose a mass for car A between 1000 and 2000 kg with no non-zero digits.)



The object was at rest before the explosion. After the explosion, determine the velocity and angle of 2 kg piece C.

(Choose a velocity for B between 4 and 10 m/s with one decimal place.)



Find the mass of the left-hand object.

