Gry Ellington Isaac Abella Divin Leclain

1) P.) Assuming the ball is moving horizontally, what is the average force [159 5] 0.) m1= ,1+5 kg + aug + = = (4- V;) $V_1 = -41 \text{ m/s}$ $V_F = 31 \text{ m/s} + -3 \text{ m/s} = 0.003 \text{sec}$ (.) Fav= m(VF-Vi) - 115(37+41m/s) = 115/ks.78m/s= -003 scc 377/1 N1

if.) Find ME after perfectly inelastic equation collision O.) Mz= 3KS V2: 8m/s MI= 2K5 V4-0m/5 Kis+K2- Kesys M2 V2 = (m2+ m2) 315.8m/5 - 27 =

P.) Find vy and vi [m/5] 0.) m1= tkg m2=6kg V2=7m1g V2' = Coh= e= (V1'-V2') - .7 m 1V1 + m2 V2: my Mearrange with knowns on vishbon unknown on left 1 +1 9.9 M2 v2 - m2 v2' = M2 V1' - M1 V1 4 Kg. V2 + -4 Kg. V2' = 6. Kg(5m/g-7m/g) -> 4 v2 + -4. 2.) 7(V1-14)=-V1/+V2/ 7V1-1V27-V1/+V2/ (-7V2)

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