CONSERVATION OF MOMENTUM

Name: _____ Date: _____ Section: _____

Partner (s): _____

Don't forget to indicate units for all values

Part II:

x_{A1} = _____ ; x_{A2} = _____

x_{B1} = _____ ; x_{B2} = _____ ; Δx = _____

t_{A1} = _____ ; t_{A2} = _____ ; t_{B1} = _____ ; t_{B2} = _____

v_{A1} = _____ ; Δv_{A1} = _____ ; v_{A2} = _____ ; Δv_{A2} = _____

v_{B1} = _____ ; Δv_{B1} = _____ ; v_{B2} = _____ ; Δv_{B2} = _____

Part III:

m_A = _____ ± Δm_A = _____; m_B = _____ ± Δm_B = _____

p_{A1} = _____ ; p_{A2} = _____ ; p_{B1} = _____ ; p_{B2} = _____

Δp_{A1} = _____ ; Δp_{A2} = _____ ; Δp_{B1} = _____ ; Δp_{B2} = _____

Part IV:

Scaling factor: _____ kg·m/s = _____ cm

p_{A1} = _____ ± Δp_{A1} = _____; p_{A2} = _____ ± Δp_{A2} = _____

p_{B1} = _____ ± Δp_{B1} = _____; p_{B2} = _____ ± Δp_{B2} = _____

α_1 = _____ ; α_2 = _____ ; β_1 = _____ ; β_2 = _____