	PHY Ian Markowich HW 8
(4644570 SPHETE COILISIONS 00
	Let's use the momentum right before the third consission as our intral momentum.
	50 18+5 f_{NN} OPZ and we calculate
	Let's 100x at ΔP $\Delta P = \sqrt{1.92^2 + .87^2} \Theta = 7an^{-1}(0.87/1.92)$ $\Delta P = 2.108 \text{ Kgm/s} \Theta = 24.376^{\circ}$ 1.92
	and so we find Ap with θ . θ is also the direction of the Fi onz interaction force from sphere I on sphere z that changes the momentum state of sphere #2 in the grd collision.