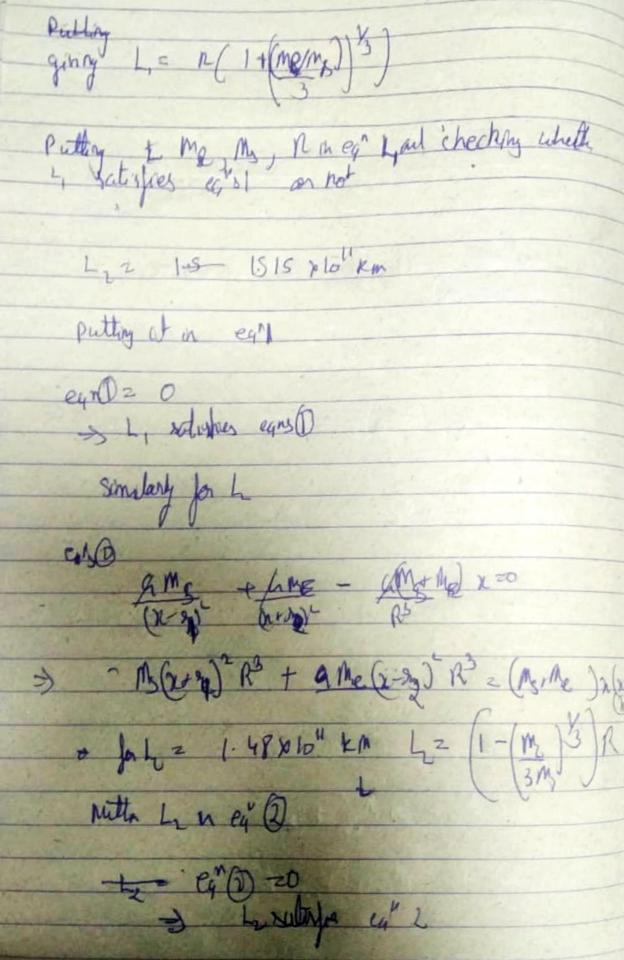
ARYAN BHARDWAT Page No.: Date: / / Townspiring from ordell townstreme about orbet. 19 Me = 9me) = 12 Jr, Jr, +r, = DV, = GMe Vortez for tronsforming from intermediate orbit. 12= [97 (1- 1272)  $\Delta V + O + D = 0 + D + D = 0$   $= \sqrt{\frac{2r}{r_1 + r_2}} + \sqrt{\frac{2r}{r_2}} + \sqrt{\frac{2r}{r_1 + r_2}} + \sqrt{\frac{2r}{r_2}} +$ On putting value of geostationary orbit 9,= 358000 Re= 42200 Km nz= 3606-12 = 4245 Kr EV radh = 80, +002 = 9,07 m/s

Similarly on putting values for tourspring blue gensiation on & grange world low outh 87=3800+Re=42200 D=84=c=TR=68000 BVW21 = -3856m/s LEO. We would transfer to gravegard orbit

h S b E h Ja an equipo equipotential region V2 constant D 1 V =0 = F =0 2) En (Fa) & + (Fa) E = FCONTripogal porco = FE Jon 1 1 990 - GMP = G(M,M) xx (2-9) (2-9) (2-9) (2-9) r. = MR. Distance of sun from COM? Me Me R 12 = Distance of som early from com = MIR Mssme Putty the robe of Me, Ms and R GME(xtr) R; + Co melatry 12 = G (M, M) ) n(x -> M(a-) + Me (it) R3 = (b+ Me) n



for Ly 18-1.5000187 × 1011 Setir Putter Ly 2 mer B C46 26 => Ls sutinfies cans

3) The fig. illustrate how a spectraft con achiever on enbarrationary wing a growthy orbit. It dong! the direction of probe protont nach o way that The velocity components (du to the relative motion wit the sun & jupter) add up at an obhis, of
probe reaches from the plans
on enormers amount of propelled by

for planed & about