3.1) c: 7.2m 19.3 rev/min 200	
2 2 19.3	
He Le	
CONTRACTOR OF THE PARTY OF THE	
3.37 Minimum 4, needed 2 To hear from strating	
852 M2 46. 9.8 1035 CM5 - mg	
3-4) m= 92 kg fs, & Us m2 ds 9.8.92 = 4,5 (92)(29,47063)	2)(29,47063)
3-5) Normal Enter & 7 me	
*	
wood of the sing sing	
511) m; 86 kg 0=35° Magnitude of a?	a. 5 5. 62 my 2)
5.2) SF = misiN350 - 44 N gr 26.248 N = 8.6 a	
5.3) L=? Cx=0.15m /4,2052	4
-240395 = 4(0.15) (2=160,26 N/m)	

SF = SF, -8F2 = - mg sin(360) - mag sin(360)+143 mgcos(360 Va 10-1434 9(9.8) sin (30) - 49 (9.8) cos (30 a= \$2= 2.5 m/s2 + Mrs mg cos (2,60) 10-0 5 113-61 1 = -ma + mgsin(300) +217 (1673) 10 39 = 22 = 0,8224 こうとという -- 51B.61 N-2126.6= 5. F = - mg sin (35°) + 4, mg có256°) +T N2 29 84.0130 2Fz - mg sin(35°) 1/4 sz. mg cos(35°) -T 0. = 143 336+24301 + 442(35.667) 532 82 /452 135 667 452= N: 5113.61V 452 3/2 2 00 AF .. 226.6 25: - N = -ma 5= 2a かられていない P=10.012 t-25, 0-30° " Ma m, : 8.6 kg 25 - - Je + my sin 20 = ma 30 1 ? = 21.6 Mm Normal Porce? SF=11- LLG 00 x: x + 12 + 2 at 5-0-0-29(2) stay in contact @ too? m2= 16.9 29 = -0-mg= - mac 7.2) Normal Arree at sige? M II W= 217 Kg Ma 7.3) Normal Force @ top m = 9 65 48 119.0353282 Min speed to -N-mg Smars 100 Mill Im 1 25 17 4 W 5.2 7.7 10

1663.280469 201212 5 2 72106 12.5 man 594028 mgs v= 2246.06 2=8-40236461 CM G. 6.67428×10" MM2 I 2246 - 1.05029 - 8 From > Sor parfect orbit 200 23757.17035 (2500)(6.4191×1023) 41 7.2122 XIO 13 R=1.5 Fmars ma = m 1/3 / = 1663 U 1 プログ N C C 12 (mention) 20 12 6.4191 × 1023 /9 34 (-) F. Cm, We 20 Specel OF m= 250029 F = 6. 540 Co. 27 2 2 d S. Mary Ince > Mondy 6.3) n 6 N 6 6

