plan 16 Int 10 PR8 SHM MC) 1) 12 & 11 (d) V 9) Incharactor anylitah bouring owner if the L is 2)(0) Someth (0) 3) [ LA = - 2 K(2) + 2 m v (c) V - 1 LA 2 1 L WN 7 = my wo frac (b) lear - ukarenz 34 (e) V 11 Br A) Zi- M/2 4) EVA2 7 6 M (M) the - zufr- 1 2 (m) 22 double spe half speed (b) (c)x 5) T-20 (2) ( ) f = = = = [] un fr = 1 in Slope 2 kg (d) 7) ? (A) 22000 8) F = Kx - Ma a-kx-le A f-1-1 (u) c) = m(Na) = [ war w=zaf= Ja 5 (PGs,) = 1 kA2 a (Ek (4)2) after Aw (C) VAM 32 2 - A2 A-14/E A- 452 L. (2) ~ the wa

d) 7-25 ( T=1. V e) [ [ ] u(20) ] = mgH (A) [ M] t [ mva² = - ] m v? - 2 mva² = - ] u ( L L )² - mgH Va- mv B) / (mon) v2 = / 42 - mva = 1 . K 1 1 - mgr AL = MAN (MAN) mva = 1 ul myll Va= (un -gt V= (62 A- unv · VE12-Vay +29H C) f==== 1 (b) Nog r= y/+ gt I WAR I WAR & WAR LLA2 - - WAZ = MNZ -- 3 WAZ V= Bush b) / (m+M) 22 + 4 + (2) = / 62 4LTH V (mul) = 16 A2 - 16 (A) V = 3 12 A2 (.ntm) V= (3KAZ)

C) 7 - 2 7 ( (MENA) / 6 = (sin (b) d) fram 22 - fual = fual Sin (6) -1 9-72 (A) V 8) Dance @ x= A Acz= Az= m+m z' Ac= A+ y min F= KA= ma W- K A e) no, it world deputs on the man I W= \[ = AW (c) -A) Noyenny is comma 1) c) Kia - Sa - 2 mun = 2 wha a) 0 Aa - or Vio Us = 12 4 (- 1/2) × 10 that the たんし) い にゅんではな WV, == { KL2 A = { L ; v = \frac{1}{2} L PGS, - LWA2 1 ( K( h L) + KAN e) H= 1918 t= [24 V1 - / h 4 A= joL ~ R= Voxt= 12 V10 / 24 = 1 / 24H ALC 4) Imm= has 2)1) x= Asm(wtip) \$=0 x=0 t=0 V= AVE x= m~ Sin ( min t) V: (c) 7) Y = A sin (we ed) 3) b) M2 = (M+m) ~ Na- (Men) 32h ω= 221 f = ~ = 227 / The 7214 (u - 10)

7)d) En = 5,62 (40 + US = 1 (Men) = + = k(A) En - Ever - Kulus = (M+n) (A | 3km ) 2 + 2 k(A) 1 Aa-Pa men A) Ws; long of moment 2-Mgdsind b) Sind my 7-MgdA dMg80 = ] = 3 = 3 = 3 1- ( d My) 0 = -60 T= 1/4 = 29 = 27 Jung 1) ]= | mi2 / d= == 7 = 27/1 /22 V RL