as PRU Engy Black 13 Black & Blue 19 Bhur 6 Rus 3 1) A, 2) W= -m(vf2-Vo2) (0) P= 1 = F. V (189- FV- 450W (D) = 1 (fus) (60 - 3 =) FRO - 543 BV 1) A1 mgH= 12 voit 2 mg 11 3) PEg-nyl (B)V V= 49 H V- Vigy4V 4) WED; 1 (C) V 1)=-0PE=-mgh=-(26)(10)(1.5) B) V= JZgHV. = - 30 J (A) V C) MGH = MABX 6) i hoge = my I sunt M=H~ Vi= /23lsnt d) might = mpy = may x cool 35 - /2/10%/(6~)(2) = (60", =7.7" (0) Blog H=y+M7650 7) yegh = 1 yrg = pring cos & 2 Ni2 - 129h +2 jug cos 81 M=H-y ray 1 2(10)(65,060) +2(0.3)(10)(6m) = 8.4 ms (c)? KE 8) With I more = myh * (2011) vom c) my ff= = mate & Mt N2 = 2gh - 2010 40m. 2 mgH= = m (= 1244) + W+ Nt= 50 m (B) Mogli = (m. 2ght + Wx my 40 = - 4 - 12 + ofg = 2 = - 4 - 12 W5= mg H (1-2) 2940 = Vm2 + 940= V62 (Wt = 3 mg H I dessiph enzy

3) y(x3)- ((x2) = y(x2) 96(x1) 2) A) MgH= Mgr+5 MVc 2 = 29 W-291 27 = 73+7, 99~~~ Och ac - 2 = 29H - 29 B) my H= my l 12 mv = = 29 (H-1) 4) W=F.d = 8715)7 < }(42) +5(4) = (6.3+20 1=(+15in(+90)) 1 +90 =(1-1000) n=(5ing) Deta Lubrer = on Les DEA DV = \(\frac{1.68}{m}\) (7.6 Why 11= of 161-100 8) + 2 122 29U-290(1-1000)=22 からこしいです V= Vy (H-(1-470)) 1) d) pight = mgy + MNL 50/7 = ongy + may costly C) = mvb = mg2/ Morror 7= 2 wood H = y + ju 7 d) mgH=mg2r M= H-4 e) my br = may e 1) c) is the solution as by the some day as the pohkro (= br) .60 = 1202 2) C) F= -422 = MG 2) d) PGyot 11 to -18 Cyf eligt mgh = mg 2 F + 5 mv 2

d) U=rugh 10== 1 m m2 Mylo - mg 2r + 1 mri Euser = Myh + 1 mv2 1/2/10 - dry 2 1 + 2 m for e) 7=1 E=E, = 58J $\left(h_{o} = \frac{5}{9}f\right)$ U3=3(3)-(1)3=87 myhot myhot ingho (is one 3) at 7, 473, 50 =0 a) 10 = 3(7-3)² +3 =0 FJ +MMN BONE - 4 7 (= mv, ~ (7-3)2-00 Vf = 83 = 83 = 1.63 75 17-3=生1 7-2,4 7, = 2 R3=4 V + he Obj - oscillary b) Ez is between 6, and Ez, which blw adb muns it's inbetween x, and 73 if Uisa durber of 7, Uis durby for portand to it's height, but every is come in the form M(7) WOTE +W = 62+960 of Willteng. It is higher than at Ty wh - El = fart but fost the at 73. my I snd - may coft = 2 mg2 c) U(x1) = 3(1) - (-1)3 Nf=9-273 (c) -9 +V-43 PE 16- 54 J = 1 mv2 V = - (21547) = 15/10/20