Toledie is beneficed May Sh he about dy the steres MAZ32 HWI ung and Part 1 2 / 1-3+2 | 2+1-7 = 2+1-3 1. yev = -06(4)+0.8(3) (2(3)+2 1. yev = -06(4)+0.8(3) = -2.4 + 2.4 V= Qu +du /3 (u.v = 0) Cil, del from U.W= -0,6(1)+0.8(2) 2-0,6-10,6 u·(v+w): -06(4+1)+02(3er) v·v: 1(4)+3(2) -0,6(5)+0.7(5) = 4-16 w(v+w) = 17 12. /w/= 5002-68)2 //ult 5 //w//= 55 = 50.76+0.64 W.VI = [MII / WI | WW = [MII / WI 25 110-W11 - max= 8, ~ 1 = 3 U.W- max = 15, m1/2 -15 1,5/, b= 3[1]+4[1]+5[-]-[7] or (3,7,12) 2 41=1 11-42-1 41=1,42=0,43=0. 41=1 41=1,42=3,43=5 11-42=4 11-42=4 11-42=4 11-42=4 11-42=4 11-42=4 11-42=4 3. 4,29 1/1/2 = (2) C1+ 1/2 = (2 => 1/2 = (2-C1 =>) Y1+1/2+1/2= C3=7(,+C2-C,+1/2-C3=)4/2=(3-C3 independent, ropal 6 revealiner oil orass

2.1. 5. they also salisty the third earlier. (-1,1,2) (-2,1,3), (-3,1,4) Ly, [2 3 15] [x] 26 Serow 72 1. li=5 => (23 1) 3. Shower earl x = 1. 2x-4y=6 [2.4,6] x=5 2x-4y:6 => 2x-4y=-6 [2-4-6] xz-5 -x+5y20 3y=-3 [03-3]=7y2-1 11. 6 an postronte the between the two points, eig. The nidpoint. (b) They need atthe live be twenthe two points 123187 221, 4+3(1)=4=> 421, 2x+3(1)+(1)(1)=8=> x=2 (2,1,1) 74-21/ 17-66 (1-922) 03-45, 924 worldmike it sinsular 39 9 039 8 625 world greens. nonzolucios 2,-4(1)=5=>423 x+4(3)-2(1)=1=>x=-9 Part 2 1128. 140,=4 4-W,=2 U,=4+2=> W,+2+0,=4=>W,=3=>V,=1 Waters 12-42:5 W2:5+42=> Stuz+W2=5=> W2=0=>U,=5 U3+U3= 6 U3=W3= 8 V3=8+W3=> 8ty+W3=6=7+2==1=7 U= 7 V=(1,5.7) w=(3,0,-1) 6 introug numbers 29. Cu + 20x+ Ci= 0 3cu+70u+5Ev=1=7 Cv+2ca=1 Cv2-1 Cust =7 Cu2 (=) - u = Vtw26 (v2-3 (4)=2=) Cu=4=7 4u-2v+2v=6 There will not sless he I combinative of any and w have O-combinations to prove 6.

31,2(-d=1=7,6e-2e21=)4e21e24 -(+2d-e=0=>-(+3e26=)(-3e 1,20-0=>d=2e e=4=>d=2=7(=4 -d+7e-10 0/d=2e 1.2.32 (+, +, -+, +), (-+, +, -+, +), (-+, -+, +), (-+, -+, +) 13.14. let x bearmher such that x (a,b) = (c,d) therefore (-ax=0, d-bx=0. sproletosel beay docy threfer y(a,c)= (b,d) and (g) is and (b,d) wecutdu = [3] then w= 50+70. 2.1.33 this Awa JAut 7Au. 10. (, j=1, -x2 +2x, -x0=1=>.2x, -x2=1 2, j-2, -13+2x-x, =2=)-x, +2x2-x322 3 (23, -ky+2x3-X2=3=> -ky+2k3-ky23 4,124, -x5 & 7x4 - x5 = 42) - x3 + 2x4 = 4 -12-10017-25-57 -1001 29, +02-7 0-12-13 0-12-13 0-12-13 0-12-13 -392,493 00 4-3 14 => -493+94 =7 00-124 1-200-10 2 2-2-2, \\
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