

## STUDENTS ASSOCIATION

SOLUTION	
R3 = R3-4R,	R, = R, - R3 - R2
1 1 1 5	100 3 x=3
2 3 5 8	0 0 4 9 = 4
0 -41 -18	$\begin{bmatrix} 0 & 0 & 1 &   -2 \end{bmatrix}  z = -2$
R2 = R2 - 2R,	
3 -2	CHEAT SHEET FOR CRUASS ELIMINATION
0 -4 1 -18	SIEP 1: Make an = 1. if not already 1
R3 = R3 + 4R2	STEP 2: Make 921 = 0. By R2 = P2 - 421 P1
0 1 3 -2	STEP3; Make a 31 = 0. By R3 = R3 - a31 R1
0 0 13 -26	STEP 4: Make 932= 0. By B3= B3 - 932 B2. B.
R3 = 13 R3	only if R205 azz = 1. It it isn't make if 1 before shop 4 By. R2 = 12. R2
1 1 5	STEP 5: Make ass=1. if not already 1
0 0 1 -2	STEP 6: When all diagonals are I and as, as a are all ZEPRO we can solve
R2 = R2 - 3 R3	for x and then y and then Z
0 1 0 14	O Pr
0 0 1 -2	STEP 6: Make u,2, a,3 and a23 = 0. To
A CONTRACT OF THE PROPERTY OF	easily pick x, y and Z rosult