



(x1, x2, x3, x4, x5) $x_1 + 7x_3 = -9$ $x_2 - 6x_3 - 3x_4 = 2$ $x_5 = 0$ 6(-9-7x3,2+6x3+3x4, ×3, ×4, 0) 16.a. * * Consistent, unique. b. Consistent, not unique. (free column) -2R2+R17R, -7+1 4617 - 2R, tRz 23/h) 46/7 00/h-2 n-2=0 (

14,16,17,24,29

	24,29
P	24. [inconsistent,
	O can't equa
	0000 * anything but
	29. When a system has more
	unknounce than purations you
	will only ever be able to reduce
	will only ever be able to reduce the system to have as many pivote as a equation 5 leaving some columns as free, contains
	pivote as a equation 5 leaving
	some colums as free, contains
	troe rationer Meaning (9h
	assign them any valle thus
	making the system consistent
	assign them any value thus making the system consistent but not unique.
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	100
	1.2 S.T.
	1: a Pivot Position: The leading non-zero
_	value of a row in a matrix
	b. Pivot Column: In Row-Echelon form:
	the column in wich pivots are 2. I can do this &
	4. I can do mis of
	3. Theorem 2: The right most
	column (the constants)
	not be a pivot column