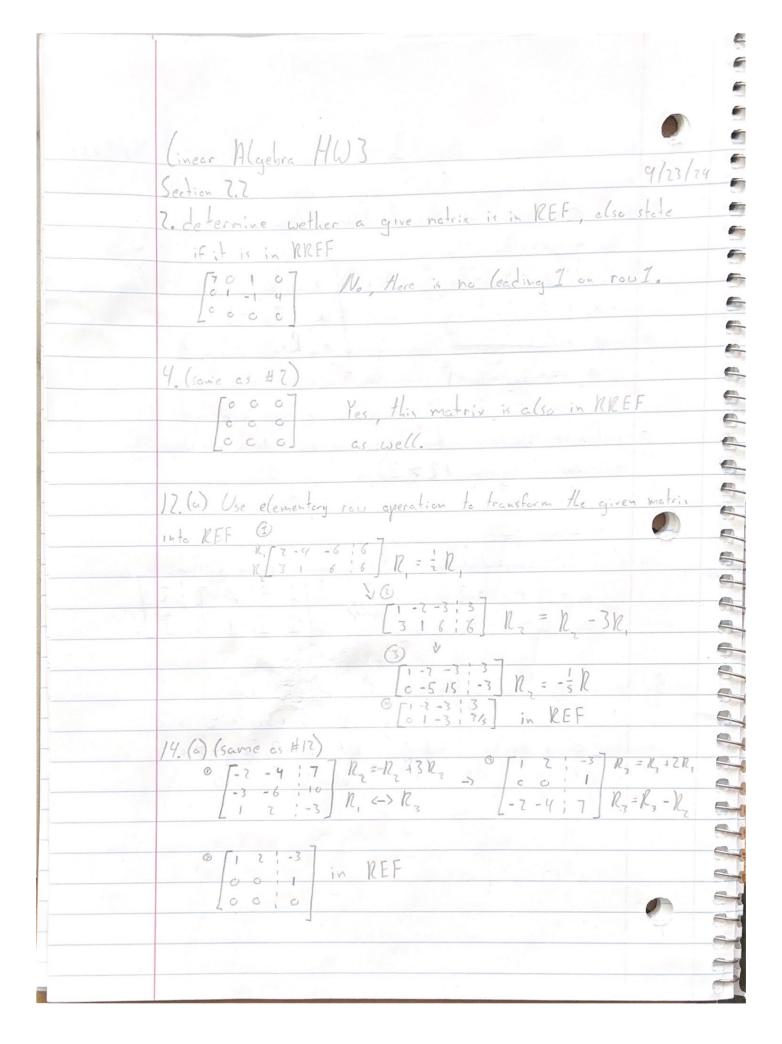
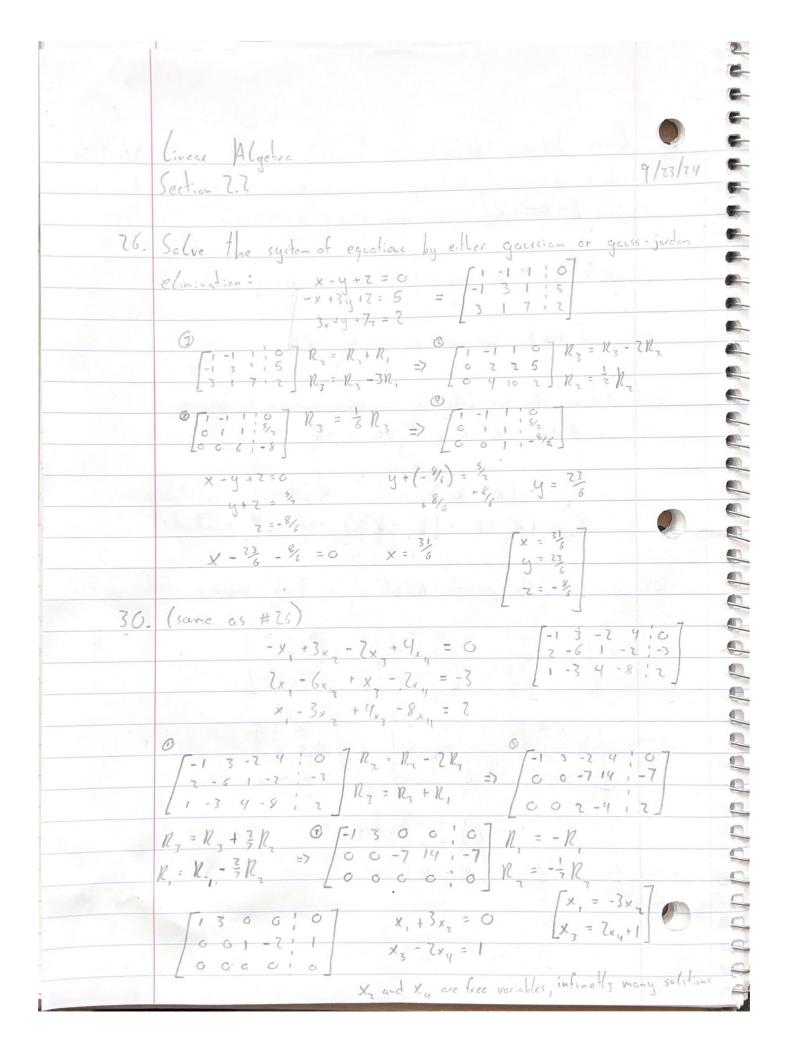
19. find the solution set for the following equation 19. find the solution set for the following equation 2x = I - 4x - 3x 2x = I - 4x - I 2x = I - I 2	500			reg
19. find the solution set for the following equation 19. find the solution set for the following equation 19. find the solution set for the following equation 2x = I - 4x - 3x x = I - 4x - 3x x = I - 4x - 3x x = -7x - 3k - 1 x = -7x - 3k - 1 x = -7x - 3k - 1 - infinite solutions due to having more free variables than equations in system (2 > I) 30. find the augmented matrix for the given linear system. a - 2b + d = 2 2				
19. find the solution set for the following equation 19. find the solution set for the following equation 19. find the solution set for the following equation 2x = I - 4x - 3x x = I - 4x - 3x x = I - 4x - 3x x = -7x - 3k - 1 x = -7x - 3k - 1 x = -7x - 3k - 1 - infinite solutions due to having more free variables than equations in system (2 > I) 30. find the augmented matrix for the given linear system. a - 2b + d = 2 2				
19. find the solution set for the following equation 19. find the solution set for the following equation 19. find the solution set for the following equation 2x = I - 4x - 3x x = I - 4x - 3x x = I - 4x - 3x x = -7x - 3k - 1 x = -7x - 3k - 1 x = -7x - 3k - 1 - infinite solutions due to having more free variables than equations in system (2 > I) 30. find the augmented matrix for the given linear system. a - 2b + d = 2 2	-5			
19. find the solution set for the following equation 19. find the solution set for the following equation 19. find the solution set for the following equation 2x = I - 4x - 3x x = I - 4x - 3x x = I - 4x - 3x x = -7x - 3k - 1 x = -7x - 3k - 1 x = -7x - 3k - 1 - infinite solutions due to having more free variables than equations in system (2 > I) 30. find the augmented matrix for the given linear system. a - 2b + d = 2 2	-		1. b/ 1 4/1/13	9/07/24
19. find the solution set for the following equation 19. find the solution set for the following equation 19. find the solution set for the following equation 2x = I - 4x - 3x x = I - 4x - 3x x = I - 4x - 3x x = -7x - 3k - 1 x = -7x - 3k - 1 x = -7x - 3k - 1 - infinite solutions due to having more free variables than equations in system (2 > I) 30. find the augmented matrix for the given linear system. a - 2b + d = 2 2	-5		Chear Mgebra MW)	1/23/24
19. find the solution set for the following equation 4x + 3x + 7y = 1 2x = 1 - 4x - 3x x = 1 - 4x - 3x x = 1 - 4x - 3x x = -7x - 3k - 1 x = -7x - 3k - 1 - infinite solutions due to having more free variables than equations in system (2 > 1) 30. find the augmented matrix for the given linear system. a - 2b + d = 2 2	-5			
7x + 3x + 7x = 1 $7x = 7 - 4x - 3x$ $x = 2h - 7$ $x = 1 - 4x - 3x$ $x = 2h - 7$ $x = -7x - 3k - 1$ $x = -7x - 7x - 7x - 7x - 7x - 7x - 7x -$	1	14.	fine the solution set for the following equation	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3		4x + 3x + 7y = 7	
α - (b + d = (α - (α - (b + d = (α - (α	3		7 = 7 - 4 3 2 2	
α - $(b+d=0)$	-		1-4x-3x	
α - $(b+d=0)$			$X_3 = \frac{1}{2} \times \frac{1}{2} $	
α - $(b+d=0)$			$X_{3} = \frac{2 - 9x_{1} - 3(2k-1)^{2}}{2}$ $X_{3} = -7x_{1} - 3k - 1$	
α - $(b+d=0)$	-		$x_{1} = -7x - 3 _{1} - 1$	
α - $(b+d=0)$	0			
α - $(b+d=0)$	1		12 C 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2/
α - $(b+d=0)$			Mitinite solutions due to having more tree Variables	Than
α - $(b+d=0)$	-		egactions in system (2 > 1)	
α - $(b+d=0)$	776			
α - $(b+d=0)$	170			
α - (b + d = (α - (α - (b + d = (α - (α		30	fit the aromaded with fitth aires to a colo	
	-	Lina	11 - 2 1 - 2	7
37. find the (inear system given the augmented matrix. [1-1-3,1] 2. find the (inear system given the augmented matrix. [1-1-3,1] [1-1-5,1]	3			- 1
37. find the (inear system given the augmented matrix. \[\begin{align*} & & & & & & & & & & & & & & & & & & &	7		-a+b-c-sd=1 [-1 1-1-5;1	
37. find the (wear system given the augmented matrix. [1 -1 0 7 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	9.			
		32.	find the linear system given the augmented matrix.	
10 10 2 3 10 V + W + 2x + y - Z = 4 W + 2y + 3z = 0	-		[1-103712]	
W + 2y + 3z = 0	7			
W + Cy + 3z = 0	7	2-1-1		
	9		W + Cy + 3 z = 0	
	3	100		
	0			
	3			
	-5			



Cinear Algebra HW3 9/23/24 16. Which elementary row operation unders each given operation R. (-) R. gets undone by R. (-) R. KR. gets undone by kR. R. + kR. gets undere by R. - kR. 70. What is the net effect of the given operation: $R_1 + R_1$, $R_1 - R_2$, $R_2 + R_3$, $-R_4$ 1 n = - (n - n) R = (R+R+(R-R)) ~> ZR, 1 24. What are the possible RREF of a 3x3 matrix 1 000



7		
7		
T		
1	0	
7		Cinear algebra HW3 9/23/24
	70	Section 7.7
		for what values of k will there be I solution, no solution,
-		or infinitly many solutions
-9		$h_x + Z_y = 3$
-3		7x-4y=-6
		Thet h=1-1.
		-X+7y=3 $-x+7y=3$
		2x - 4y = -6 = 2 - x + 2y = 3
799	1.	
		infinitly many solutions for k=-1
9		unique solutions for k#-1
9		no values of le lead to no solution
	6	
99999	47	(Same as #40) x-2y+3z=2 · no solition h=3 or - 4
-		x+y+2=k • infinite k=0,2,00-2
9		Zx - y + 4z = k2 · anique k = none of above
1000000		Cx 172 /2 UNIVER 12 NOVE 27 28012
		$\begin{bmatrix} 1 & -7 & 3 & 1 & 2 & R_3 = R_3 - 2R_2 & & & & & & & & \\ 1 & 1 & 2 & 1 & R & & & & & & & \\ 2 & -1 & 4 & 1 & 1 & R_2 = R_2 - R_1 & & & & & & & & & \\ 2 & -1 & 4 & 1 & 1 & R_2 = R_2 - R_1 & & & & & & & & \\ \end{bmatrix}$
		1 2 k k 12 12 2 -> c-1-1 k-2
0		2-14 n R2=R2-R1 L6-30 R2-ZK]
-		. 2 7 0
		0/n=1/- 5R3 00-1 123-13-2 11 -> p
-		1 2 26
		$R_3 = \frac{1}{3}R_3$
		$R_1 = R_1 + 3R_2$
		7
10		
-	10	(C) (C) (C) (C) (C)
3		[001 hz - bz - 2]
-		