Name: Topic:				L	Date:		
				Class:			
Main Ideas/Questions Notes/Examples							
Systems with	1	CHOOSE TWO EQUATIONS in which you can easily eliminate a variable. Let's call this new equation after the elimination Equation A. ELIMINATE THE SAME VARIABLE from a combination of the equation you didn't use and one of the ones you did. Let's call this equation after the elimination Equation B.					
3 VARIABLES	2						
	3	PUT EQUATION A AND EQUATION A OF YOUR POUR PUT EQUATION A OF YOUR PUT EQUATION A CONTROL OF Y			B TOGETHER and SOLVE THAT bles!	SYSTEM.	
	4	SUBSTITUTE your answers fro the remaining variable. Wr	m ste ite ye	ep o∟	o 3 into either original equatio ur solution as (x, y, z).	n to find	
		:: EXAMPLES	::)	
1. $2x-6y+9z=-8$ 5x+y+2z=10	(1)) 5x+y+2=11	0		2 2x-6yt	-92=-	8
3x + y - 8z = 28	+	-3x + 1 +8E=	+28		_ 6(5x+y+	2=10	١)
[[-1,74]	7	@ 2×+10==3	38		30x+6x+1	27=6	0
-16.					+ 2x -/6y+		8
3 (2x +10z	=((4)2x+1	0(4	1	=38 (b) 32x +21	t = 52	_
32X +217	; = ; 1 -	52 $2x + 4$	{O =		38 (5)2(-1)-6	1+9(4)	=-8
+-32x-100	[- 97:		\			+34=	- 8 -8
2. $4x+y-3z=45$	王	=4		_	1 01	-6y	= -42
6x-4y+3z=41 $2x-7y-11z=85$	[(8, -2, -5)				Y	:7
	' _						

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