Math 32 Quiz

GSI: Theo Johnson-Freyd $\label{eq:http://math.berkeley.edu/} $$ \to Johnson-Freyd $$ \to$

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Name:	S	Score:	/10
You have thirty minutes to complete the chalkboards are yours.	lete this quiz. You	u may not use	e calculators or notes,
1. (4 pts) Use Gaussian elimination	ion to find all so	lutions to th	e following system of
{	$\begin{cases} x + 4y - z = \\ 3x + y - z = \\ 4x - 4y + 5z = \end{cases}$	$0 \\ -1 \\ -7$	

2. (3 pts) Find all solutions to the following system of two equations and three unknowns:

$$\begin{cases} x + 2y + 3z = 1 \\ 2x - y - z = 2 \end{cases}$$

3. (3 pts) There are four solutions to the following system of equations. Find them.

$$\begin{cases} x^2 + y^2 = 17 \\ xy = 4 \end{cases}$$