3x3 Systems Practice

Solve the following 3x3 systems by elimination:

1. Eliminate x:

 $\begin{matrix}x+2y+z=8\\4x-8y+6z=6\\3x-y+2z=7\end{matrix}$

1. Eliminate z:

$\begin{matrix}4x-5y+10z=12\\x+y+z=0\\3x-2y-2z=15\end{matrix}$

1. Eliminate y:

$\begin{matrix}2x+y+3z=6\\-4x-2y+6z=36\\2x-3y+z=6\end{matrix}$

**Solve number 4 using a matrix:**

1. $\begin{matrix}-x-5y+z=17\\-5x-5y+5z=5\\2x+5y-3z=-10\end{matrix}$

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