Directions: Please show all the work leading to your answers. Having some correct work with an incorrect answer will earn you partial credit.

\[
\begin{align*}
y + z &= 4 \\
3x + 6y - 3z &= 3 \\
-2x + 3y + 7z &= 10
\end{align*}
\]

1. Form the augmented matrix of the system
2. Put the augmented matrix in reduced row echelon form
3. Find all solutions of the system