

$$\begin{array}{rcl}
 3x + 6y + 2z & = & -13 \\
 -6x - 9y + 5z & = & 22 \\
 3x + 3y + 5z & = & -13 \\
 x + 3y + 3z & = & -4 \\
 x + 4y + 5z & = & -5 \\
 2x + 4y + 3z & = & -5
 \end{array}$$