

Lösungen:

		Punkte
1	Bitte lösen Sie die angegebenen Gleichungssysteme: a) $\begin{aligned} -6m + 4z + 3q &= 15 \\ 3m - 2z + 5q &= 38 \\ 8m + 7z - 7q &= 33 \end{aligned}$ L: $\begin{aligned} m &= 5; \\ z &= 6; \\ q &= 7; \end{aligned}$ b) $\begin{aligned} 6,5j - 2,9y - 7,3u &= 3,28 \\ 1,3j + 1,9y + 3,3u &= -42,02 \\ -6,2j - 5,4y - 3,5u &= 105,61 \end{aligned}$ L: $\begin{aligned} j &= -8,8; \\ y &= -5,5; \\ u &= -6,1; \end{aligned}$ c) $\begin{aligned} 3(-6v + 5r) + 4(-v - 6h) + 4(-8r - 3h) - 1 &= 95 \\ -4(-6v - r) - 8(8v - 4h) - 3(-3r + 9h) + 8 &= 60 \\ -2(8v + 5r) - 6(-6v - 7h) + (9r + 8h) + 10 &= 56 \end{aligned}$ L: $\begin{aligned} v &= -3; \\ r &= -6; \\ h &= 2; \end{aligned}$ d) $\begin{aligned} \frac{1}{3}g - \frac{4}{7}k &= \frac{69}{35} \\ -\frac{9}{10}g + \frac{1}{5}k &= -\frac{387}{50} \end{aligned}$ L : $g = 9; k = \frac{9}{5}$	22