

Abgabe: 19.3.2010

Name:

<b>1</b>	<p>Bitte lösen Sie die Gleichungssysteme</p> <p>a)</p> $\begin{aligned} 9,2j + 5,9i - 6,3k &= 44,05 \\ 5,4j + 6,5i + 5,5k &= -62,53 \\ -7,1j + 4i - 6,8k &= -16,2 \end{aligned}$ <p>b)</p> $\begin{aligned} 1,3g - 6,7r + 5,4a &= 66,99 \\ 10g - 4,3r &= -15,48 \\ 7r + 7a &= -6,3 \end{aligned}$ <p>c)</p> $\begin{aligned} -3,3(-3,6o + 3,4v) - 5(4,1o - 2,3e) + 1,6(4,2v - 2,3e) + 4,8 &= 29,688 \\ 2,9(-4,5o + 3,6v) + 5(3,5o - 1,2e) + 2,2(-4,2v + 2e) + 4,7 &= 6,41 \\ 4,5(-3,6o - 2,4v) + 3,7(-2,5o - 1,6e) - 2,3(3,7v + 1,1e) + 1,2 &= -21,21 \end{aligned}$ <p>d)</p> $\begin{aligned} \frac{5}{2}u - 5t - 3e &= \frac{31}{4} \\ \frac{1}{2}u + t + \frac{5}{3}e &= -\frac{197}{60} \\ \frac{2}{3}u - \frac{3}{2}t - \frac{4}{5}e &= \frac{67}{30} \end{aligned}$ <p>e)</p> $\begin{aligned} -g - d - 2f &= -\frac{1}{3} \\ -\frac{2}{3}g + 3d + \frac{4}{5}f &= -\frac{379}{75} \\ \frac{5}{2}g + \frac{3}{4}d - \frac{3}{2}f &= -\frac{3}{20} \end{aligned}$ <p>f)</p> $\begin{aligned} 4,9s - 3,8w + 3n &= 30,093 \\ -4,1w - 1,6n &= 7,209 \\ 1,3s - 1,8w &= 8,563 \end{aligned}$ <p>g)</p> $\begin{aligned} -4,5s + 1,3u - 4,6m &= -23,72 \\ 3,6s + 2,9u - 3,3m &= 18,298 \\ -1,7s - 4,7u - 4,6m &= -38,576 \end{aligned}$
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