

# Übungen in AlgGeo $\diamond$ Exercices en AlgGéo $\diamond$ T. F1 $\diamond$ II / 3

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**Probl. 1**

$$\begin{cases} \lambda \cdot x - 5x + 6z + 7w = 8 \\ 4x - 8y + 9z + w = 1 \\ x + y - z + z = 0 \end{cases}$$

(a)  $\lambda = 3 \Rightarrow \mathbb{L} = ?$

(b)  $\mathbb{L} = \{\} \Rightarrow \lambda = ?$

(c)  $\mathbb{L} = \text{Ebene} \bullet \text{plan} \Rightarrow \lambda = ?$

**Probl. 2**  $f: z \mapsto w = z^2, \quad f: z(t) \mapsto w(t) = z(t)^2,$

Skizze? • *Esquisse?*

