

# Gleichungssysteme (Geogebra)

Zunächst ist GeoGebra CAS zu öffnen: ☰ oben rechts → Perspektiven → CAS. Dann tippen wir unsere Gleichungen ein und bestätigen jeweils mit "Enter":

The screenshot shows the GeoGebra CAS interface with a toolbar at the top containing symbols for equals, approximate, check, powers, parentheses, fractions, and variables. Below the toolbar, three equations are entered in separate lines:

- 1  $7x + 5y + 4z = 12$
- 2  $3x + 9y + z = 25$
- 3  $8x - 5y - 3z = 6$

Each equation is followed by a bolded version of the same equation. A small menu icon with 'x=' is visible to the right of the first equation.

Schlussendlich wählen wir alle Gleichungen aus und klicken auf "x =" im Menü oben links, GeoGebra zeigt uns die Lösung nun automatisch an:

The screenshot shows the GeoGebra CAS interface with the same three equations as in the previous screenshot. The first equation is selected with a radio button. Below the equations, the solution is displayed:

4 Solve:  
 $\left\{ \left\{ x = \frac{575}{417}, y = \frac{1091}{417}, z = \frac{-373}{139} \right\} \right\}$

5

A small menu icon with 'x=' is visible to the right of the first equation. A '-3π' label is visible at the bottom right of the interface.

Revision #1

Created 11 June 2025 10:19:32 by Teodor Bátkai

Updated 11 June 2025 10:19:48 by Teodor Bátkai