

nr 1 p 143 / p 58

KO (= Keuze onbekenden)

$a$  = leeftijd van Anna

$b$  = " " Brigitte

$c$  = " " Charlotte

Stelsel

$$\begin{cases} a + b + c = 105 \\ a = b + c + 9 \\ (a + c) + 3 = 2b \end{cases}$$

$$\Leftrightarrow \begin{cases} a + b + c = 105 \\ a - b - c = 9 \\ a - 2b + c = -3 \end{cases}$$

$$\left( \begin{array}{ccc|c} 1 & 1 & 1 & 105 \\ 1 & -1 & -1 & 9 \\ 1 & -2 & 1 & -3 \end{array} \right) \xRightarrow[\text{RREF}]{\text{GRM}} \left( \begin{array}{ccc|c} 1 & 0 & 0 & 57 \\ 0 & 1 & 0 & 36 \\ 0 & 0 & 1 & 12 \end{array} \right)$$

Antw

Anna is 57 jaar

Brigitte is 36 jaar

Charlotte is 12 jaar