

Übungsaufgaben: Lineare Gleichungssysteme lösen

$$(1) \quad \left| \begin{array}{l} 30 = -3m \\ 0 = 28 - 2n \end{array} \right|$$

$$(2) \quad \left| \begin{array}{l} 0 = 12 + 3a \\ 0 = -4b + 15a + 4 \end{array} \right|$$

$$(3) \quad \left| \begin{array}{l} -4x - 4y = -4 \\ 2y + 4x + 28 = 0 \end{array} \right|$$

$$(4) \quad \left| \begin{array}{l} 4a + 12 = 0 \\ 8a - 8 = -2b \end{array} \right|$$

$$(5) \quad \left| \begin{array}{l} 0,5 - 15m = -8n \\ -3m + 6,5 = -2n \end{array} \right|$$

$$(6) \quad \left| \begin{array}{l} -b = 8 - 2a \\ -14 - b = 0 \end{array} \right|$$

$$(7) \quad \left| \begin{array}{l} -5x = -2 + 3y \\ 6x + 3y = 0 \end{array} \right|$$

$$(8) \quad \left| \begin{array}{l} 20 - 5r + 8t = 0 \\ 10r - 20t = 0 \end{array} \right|$$

$$(9) \quad \left| \begin{array}{l} 10x - 8y = -4 \\ -6x + 12 = -4y \end{array} \right|$$

$$(10) \quad \left| \begin{array}{l} 2u + 6r + 8 = 0 \\ -11 = u + 4r \end{array} \right|$$

Lösungen

- (1) $m = -10$ $n = 14$
- (2) $a = -4$ $b = -14$
- (3) $x = -15$ $y = 16$
- (4) $a = -3$ $b = 16$
- (5) $m = -17/2$ $n = -16$
- (6) $a = -3$ $b = -14$
- (7) $x = -2$ $y = 4$
- (8) $r = 20$ $t = 10$
- (9) $x = 14$ $y = 18$
- (10) $r = -7$ $u = 17$