Selbsttest Gleichungssyteme

Aufgaben: **Bestimmen Sie die Unbekannten**

a) $4y + 9u = -82$
$6y + u = 2$

b) $8z + 3c = -10$
$3z + 7c = -39$

c) $10p + 3d = -111$
$3p + 5d = -62$

d) $3q + 7s = 35$
$-4q + 9s = -10$

e) $8b + 3w = -27{,}6$
$b + 5w = -20{,}1$

f) $-5v + e = -10{,}4$
$7v + 8e = 100{,}1$

g) $10v + 3p = 68{,}9$
$3v + p = 20{,}9$

h) $9s + 7i = 14{,}7$
$-7s + 5i = -55{,}3$

i) $7{,}8u + 3{,}9r = -54{,}6$
$2{,}7u - 8{,}9r = -4{,}55$

j) $0{,}7t + 7{,}7l = 30{,}66$
$6{,}3t + 1{,}1l = 9{,}96$

k) $2{,}2l - 4{,}1a = -1{,}55$
$9{,}1l + 8{,}2a = 66{,}55$

l) $6{,}9o + 2{,}4b = 32{,}67$
$2{,}4o + 5{,}8b = -22{,}4$

m) $9y + 8t = 10$
$3y + 5t = 22$

n) $8p + 9g = -103$
$3p + 2g = -29$

Selbsttest Gleichungssyteme

Lösungen

a) $4y + 9u = -82$
$6y + u = 2$
L: $y = 2$; $u = -10$

b) $8z + 3c = -10$
$3z + 7c = -39$
L: $z = 1$; $c = -6$

c) $10p + 3d = -111$
$3p + 5d = -62$
L: $p = -9$; $d = -7$

d) $3q + 7s = 35$
$-4q + 9s = -10$
L: $q = 7$; $s = 2$

e) $8b + 3w = -27,6$
$b + 5w = -20,1$
L: $b = -2,1$; $w = -3,6$

f) $-5v + e = -10,4$
$7v + 8e = 100,1$
L: $v = 3,9$; $e = 9,1$

g) $10v + 3p = 68,9$
$3v + p = 20,9$
L: $v = 6,2$; $p = 2,3$

h) $9s + 7i = 14,7$
$-7s + 5i = -55,3$
L: $s = 4,9$; $i = -4,2$

i) $7,8u + 3,9r = -54,6$
$2,7u - 8,9r = -4,55$
L: $u = -6,3$; $r = -1,4$

j) $0,7t + 7,7l = 30,66$
$6,3t + 1,1l = 9,96$
L: $t = 0,9$; $l = 3,9$

k) $2,2l - 4,1a = -1,55$
$9,1l + 8,2a = 66,55$
L: $l = 4,7$; $a = 2,9$

l) $6,9o + 2,4b = 32,67$
$2,4o + 5,8b = -22,4$
L: $o = 7,1$; $b = -6,8$

m) $9y + 8t = 10$
$3y + 5t = 22$
L: $y = -6$; $t = 8$

$8p + 9g = -103$
n) $3p + 2g = -29$
L: $p = -5$; $g = -7$