

Lösen Sie mit dem Einsetzungsverfahren:

17 a)  $6x - 7y = 88$   
 $x = 24$

b)  $x + 3y = 3$   
 $y = 3x$

c)  $6x + 5y = 65$   
 $5x + 6 = 56$

18 a)  $4x - 9y = 0$   
 $5y = 40$

b)  $3x - 2y = 10$   
 $x = \frac{3}{4}y$

c)  $8x + 11y = 12$   
 $4x = -5y$

19 a)  $5x - 7y + 9 = 0$   
 $x + y = 0$

b)  $4x + 3y = 11$   
 $x - 2y = 0$

c)  $15x + 4y = 18$   
 $6x + y = 0$

20 a)  $3x + 4y = 16$   
 $y = 2 - x$

b)  $x - 2y = 9$   
 $x = 3y + 5$

c)  $6x + 5y = 4$   
 $x = \frac{1}{2}y + \frac{2}{3}$

21 a)  $-x + 6y = 11$   
 $x = 2y - 3$

b)  $9x + y = 2$   
 $-y = 8x + 1$

c)  $3x - 4y = 9$   
 $2x = 4y + 2$

Lösen Sie mit dem Additionsverfahren:

29 a)  $x + y = 26$   
 $x - y = 8$

b)  $-x + 5y = 4$   
 $x - 2y = 5$

c)  $4x - 7y + 34 = 0$   
 $2x + 7y - 4 = 0$

30 a)  $x + 4y = 8$   
 $x + 3y = 4$

b)  $8x - 7y = 38$   
 $3x - 7y = 23$

c)  $5x + 2y = 19$   
 $5x - 3y = -16$

31 a)  $9x - 2y = 4$   
 $11x + y = 29$

b)  $4x + 9y = 15$   
 $2x - 7y = 19$

c)  $4x - y - 12 = 0$   
 $x - 3y + 8 = 0$

32 a)  $3x + 4y = 24$   
 $-x + 5y = 11$

b)  $8x + 5y = 7$   
 $4x + 3y = 1$

c)  $25x + 12y = 5$   
 $11x + 6y = 13$

33 a)  $8x - 7y = 1$   
 $-2x + 3y = 11$

b)  $9x + 5y = 2$   
 $12x + 7y = 4$

c)  $4x + 5y + 6 = 0$   
 $5x + 6y + 7 = 0$

34 a)  $2x + 3y = 3$   
 $3x + 8y = 22$

b)  $7x - 8y = 22$   
 $5x + 12y = -2$

c)  $9x + 7y = 8$   
 $15x + 11y = 13$

Wählen Sie selber ein Lösungsverfahren:

43 a)  $4y - 19 = y + 20$       b)  $20x - 50 = 29y$       c)  $3x + 50 = 6x + 5y$   
 $5x + 2y = 126$        $2x + 5y = 8y$        $2y + 10 = 3x + 2y$

44 a)  $x = 8y - 6$       b)  $y = 2x - 3y + 4$       c)  $y = 2x - 3y + 4$   
 $x = 3y + 4$        $x = 2x - 3y + 4$        $x = 2x - 3y + 5$

45 a)  $x = 5x - 7y + 9 = y$       b)  $4x - 7 = 8 - x = 2x + 5y$

46 a)  $2x - 5y - 39 = 0 = x + 3y + 8$       b)  $8(x - 3y) = 0 = 9(5x - 7y + 4)$

47 a)  $3(2y + 3) = 2x + 7y$       b)  $(x + 5)(y - 2) = (x + 2)(y - 1)$   
 $4(x + 2) = 5x - 3y$        $(x - 4)(y + 7) = (x - 3)(y + 4)$

48 a)  $(x - 8)(y - 5) = (x - 9)(y - 4)$       b)  $(x + 3)(y + 6) = (x + 6)(y + 4)$   
 $(x - 8)(y - 5) = (x - 9)y - 4$        $(x - 9)(y - 8) = (x - 15)(y - 4)$

49 a)  $1.3x + 1.2y = 6.2$       b)  $\frac{1}{4}x - \frac{5}{6}y = 5$       c)  $2x + 3y = 6$   
 $1.7x + 0.8y = 5.8$        $\frac{4}{5}x - y = 11$        $\frac{1}{2}x + \frac{1}{3}y = \frac{1}{6}$

50 a)  $\frac{25x - 3}{12} - \frac{20y - 1}{18} = 2x - y$       b)  $\frac{x + 11y}{5} - \frac{9(y + 2)}{4} = \frac{1}{2}$   
 $\frac{x + 4}{9} = \frac{y + 3}{5}$        $\frac{x}{20} + \frac{5}{6} = \frac{x}{15} + \frac{y}{10}$

51 a)  $\frac{x + y}{2} + \frac{4y}{3} = 10$       b)  $\frac{7(x - y)}{11} + \frac{x}{4} = 4.8$   
 $5 - y = \frac{x + y}{2}$        $\frac{7(x - y)}{11} - \frac{3x}{4} = 2.4$