



Gleichungssysteme I

Wende das Additionsverfahren an!

$$\begin{aligned} 1.) \quad & 3x + 2y = 7 \\ & 9x + 4y = 11 \end{aligned}$$

$$\begin{aligned} 2.) \quad & 5x + 7y = 48 \\ & 3x + 7y = 54 \end{aligned}$$

$$\begin{aligned} 3.) \quad & 9x + 9y = 36 \\ & 5x + 3y = 4 \end{aligned}$$

$$\begin{aligned} 4.) \quad & 4x + 5y = -59 \\ & -2x - 7y = 61 \end{aligned}$$

$$\begin{aligned} 5.) \quad & 5x + 5y = -15 \\ & 7x + 8y = -18 \end{aligned}$$

$$\begin{aligned} 6.) \quad & -5x + 3y = 12 \\ & 9x + 3y = 54 \end{aligned}$$

$$\begin{aligned} 7.) \quad & 9x + 3y = -30 \\ & -6x + 8y = 10 \end{aligned}$$

$$\begin{aligned} 8.) \quad & -4x - 8y = -52 \\ & 2x + 2y = 12 \end{aligned}$$

$$\begin{aligned} 9.) \quad & -4x - 4y = -32 \\ & 2x + 5y = 31 \end{aligned}$$

$$\begin{aligned} 10.) \quad & 9x - 6y = 99 \\ & 2x + 7y = -3 \end{aligned}$$



Gleichungssysteme I

Wende das Additionsverfahren an!

Lösungen

$$\begin{array}{rcl} 1.) & x & = -1 \\ & y & = 5 \end{array}$$

$$\begin{array}{rcl} 2.) & x & = -3 \\ & y & = 9 \end{array}$$

$$\begin{array}{rcl} 3.) & x & = -4 \\ & y & = 8 \end{array}$$

$$\begin{array}{rcl} 4.) & x & = -6 \\ & y & = -7 \end{array}$$

$$\begin{array}{rcl} 5.) & x & = -6 \\ & y & = 3 \end{array}$$

$$\begin{array}{rcl} 6.) & x & = 3 \\ & y & = 9 \end{array}$$

$$\begin{array}{rcl} 7.) & x & = -3 \\ & y & = -1 \end{array}$$

$$\begin{array}{rcl} 8.) & x & = -1 \\ & y & = 7 \end{array}$$

$$\begin{array}{rcl} 9.) & x & = 3 \\ & y & = 5 \end{array}$$

$$\begin{array}{rcl} 10.) & x & = 9 \\ & y & = -3 \end{array}$$



Gleichungssysteme II

Wende das Additionsverfahren an!

$$1.) \quad 6x + 5y = -36$$

$$8x + 7y = -50$$

$$6.) \quad -8x + 3y = -26$$

$$2x + 7y = 22$$

$$2.) \quad 5x + 6y = -64$$

$$-6x + 7y = -51$$

$$7.) \quad 3x + 7y = -10$$

$$7x - 4y = -3$$

$$3.) \quad 9x + 9y = -45$$

$$5x + 3y = -31$$

$$8.) \quad -4x + 3y = -15$$

$$6x + 8y = 60$$

$$4.) \quad -6x + 9y = -51$$

$$-4x + 3y = -31$$

$$9.) \quad -2x - 6y = 24$$

$$5x + 8y = -18$$

$$5.) \quad -8x + 3y = -39$$

$$-3x + 4y = -6$$

$$10.) \quad 9x + 6y = 15$$

$$-6x + 7y = 67$$



Gleichungssysteme II

Wende das Additionsverfahren an!

Lösungen

$$\begin{aligned} 1. \quad x &= -1 \\ y &= -6 \end{aligned}$$

$$\begin{aligned} 6. \quad x &= 4 \\ y &= 2 \end{aligned}$$

$$\begin{aligned} 2. \quad x &= -2 \\ y &= -9 \end{aligned}$$

$$\begin{aligned} 7. \quad x &= -1 \\ y &= -1 \end{aligned}$$

$$\begin{aligned} 3. \quad x &= -8 \\ y &= -3 \end{aligned}$$

$$\begin{aligned} 8. \quad x &= 6 \\ y &= 3 \end{aligned}$$

$$\begin{aligned} 4. \quad x &= 7 \\ y &= -1 \end{aligned}$$

$$\begin{aligned} 9. \quad x &= 6 \\ y &= -6 \end{aligned}$$

$$\begin{aligned} 5. \quad x &= 6 \\ y &= 3 \end{aligned}$$

$$\begin{aligned} 10. \quad x &= -3 \\ y &= 7 \end{aligned}$$



Gleichungssysteme III

Wende das Additionsverfahren an!

$$\begin{aligned}1.) \quad -3x + 7y &= 66 \\ 4x + 8y &= 16\end{aligned}$$

$$\begin{aligned}2.) \quad 7x - 2y &= 19 \\ 9x + 4y &= 77\end{aligned}$$

$$\begin{aligned}3.) \quad -7x - 8y &= -45 \\ 9x + 9y &= 54\end{aligned}$$

$$\begin{aligned}4.) \quad -7x - 5y &= -43 \\ 4x + 4y &= 28\end{aligned}$$

$$\begin{aligned}5.) \quad -2x - 5y &= -19 \\ 9x + 6y &= 69\end{aligned}$$

$$\begin{aligned}6.) \quad -8x + 9y &= 73 \\ 6x + 6y &= 60\end{aligned}$$

$$\begin{aligned}7.) \quad 5x + 2y &= 11 \\ 3x - 6y &= 21\end{aligned}$$

$$\begin{aligned}8.) \quad 5x + 9y &= 28 \\ 3x + 7y &= 28\end{aligned}$$

$$\begin{aligned}9.) \quad 7x + 3y &= 39 \\ 2x + 5y &= -22\end{aligned}$$

$$\begin{aligned}10.) \quad 2x + 4y &= -4 \\ 7x + 9y &= -24\end{aligned}$$



Gleichungssysteme III

Wende das Additionsverfahren an!

Lösungen

$$1.) \begin{aligned} x &= -8 \\ y &= 6 \end{aligned}$$

$$2.) \begin{aligned} x &= 5 \\ y &= 8 \end{aligned}$$

$$3.) \begin{aligned} x &= 3 \\ y &= 3 \end{aligned}$$

$$4.) \begin{aligned} x &= 4 \\ y &= 3 \end{aligned}$$

$$5.) \begin{aligned} x &= 7 \\ y &= 1 \end{aligned}$$

$$6.) \begin{aligned} x &= 1 \\ y &= 9 \end{aligned}$$

$$7.) \begin{aligned} x &= 3 \\ y &= -2 \end{aligned}$$

$$8.) \begin{aligned} x &= -7 \\ y &= 7 \end{aligned}$$

$$9.) \begin{aligned} x &= 9 \\ y &= -8 \end{aligned}$$

$$10.) \begin{aligned} x &= -6 \\ y &= 2 \end{aligned}$$



Gleichungssysteme IV

Wende das Additionsverfahren an!

$$\begin{aligned} 1) \quad -9,1x -4,7y &= -47,63 \\ &9,1x +2,0y = 58,43 \end{aligned}$$

$$\begin{aligned} 2) \quad 1,6x +9,5y &= 86,21 \\ &6,8x +0,5y = -28,37 \end{aligned}$$

$$\begin{aligned} 3) \quad -2,3x +2,1y &= 20,93 \\ &-1,6x +6,3y = 36,82 \end{aligned}$$

$$\begin{aligned} 4) \quad -6,5x +7,0y &= 110,05 \\ &-1,7x +8,6y = 93,09 \end{aligned}$$

$$\begin{aligned} 5) \quad -7,8x -2,5y &= 52,76 \\ &4,5x +0,3y = -39,12 \end{aligned}$$

$$\begin{aligned} 6) \quad 8,6x +0,9y &= 69,88 \\ &4,6x -1,6y = 34,88 \end{aligned}$$

$$\begin{aligned} 7) \quad 2,2x +1,8y &= 16,10 \\ &5,3x -7,2y = 14,56 \end{aligned}$$

$$\begin{aligned} 8) \quad 7,4x +7,3y &= -12,79 \\ &1,8x -5,8y = 37,04 \end{aligned}$$

$$\begin{aligned} 9) \quad 6,7x -0,4y &= -46,01 \\ &7,5x +1,1y = -57,54 \end{aligned}$$

$$\begin{aligned} 10) \quad -5,1x -4,7y &= -18,03 \\ &3,1x +6,3y = 35,75 \end{aligned}$$



Gleichungssysteme IV

Wende das Additionsverfahren an!

Lösungen

- | | | |
|-----|------------|------------|
| 1. | $x = 7,3$ | $y = -4$ |
| 2. | $x = -4,9$ | $y = 9,9$ |
| 3. | $x = -4,9$ | $y = 4,6$ |
| 4. | $x = -6,7$ | $y = 9,5$ |
| 5. | $x = -9,2$ | $y = 7,6$ |
| 6. | $x = 8$ | $y = 1,2$ |
| 7. | $x = 5,6$ | $y = 2,1$ |
| 8. | $x = 3,5$ | $y = -5,3$ |
| 9. | $x = -7,1$ | $y = -3,9$ |
| 10. | $x = -3,1$ | $y = 7,2$ |
| 11. | $x = 9,3$ | $y = 1,2$ |
| 12. | $x = 7$ | $y = 1,5$ |