

Mathe-Training: Quadratische Gleichung lösen (Mitternachtsformel M, Ausklammern A, Vieta V)



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|----|---------------------|--|
| 1 | $5x^2+3x-5,6=0$ | M $x_1=-1,4$ $x_2=0,8$ |
| 2 | $2x^2-7x-4=0$ | M $x_1=4$ $x_2=-0,5$ |
| 3 | $-8x^2+5x+4,5=0$ | M $x_1=1,125$ $x_2=-0,5$ |
| 4 | $2x^2+9x=-4$ | M $x_1=-4$ $x_2=-0,5$ |
| 5 | $15x-10=5x^2$ | M $x_1=2$ $x_2=1$ |
| 6 | $25x^2=150x$ | A $x_1=0$ $x_2=6$ |
| 7 | $12x^2+16x=0$ | A $x_1=0$ $x_2=-4/3$ |
| 8 | $14x = - 28x^2$ | A $x_1=0$ $x_2=1/14$ |
| 9 | $x^2-5x+6=0$ | V $x_1=2$ $x_2=3$ |
| 10 | $2x^2- 14x + 6,5=0$ | M $x_1= 0,5$ $x_2=6,5$ |
| 11 | $3x^2+15x+20=0$ | M keine Lsg |
| 12 | $x^2+3x=-2$ | V $x_1=-1$ $x_2=-2$ |
| 13 | $5x^2=-7x$ | A $x_1=0$ $x_2=-1,4$ |
| 14 | $-6x+3=-3x^2$ | M eine Lsg: $x=1$ |
| 15 | $8 - 4x^2 = 6x$ | M $x_1 = \frac{-2 \pm \sqrt{4 + 16}}{-8}$ $x_2 = \frac{-2 \pm \sqrt{4 + 16}}{-8}$ |
| 16 | $7x - 8 = - x^2$ | V $x_1=1$ $x_2=-8$ |
| 17 | $- 7x^2 -29x = -56$ | M keine Lsg |
| 18 | $- 9x^2 = - 27x$ | A $x_1=0$ $x_2=3$ |
| 19 | $12=x^2-4x$ | V $x_1=-2$ $x_2=6$ |
| 20 | $24x^2=12x + 96$ | M $x_1 = \frac{1 \pm \sqrt{1 + 96}}{48}$ $x_2 = \frac{1 \pm \sqrt{1 + 96}}{48}$ |