

Értékkészlet vizsgálat

1. $\sqrt{x-3} + \sqrt{2+5x} = -2$ $x \in \mathfrak{R}$
2. $x^2 - 4xy + 5y^2 = 25$ $x, y \in \mathbb{Z}^+$
3. $x^2 + y^2 + 2x - 4y + 6 = \frac{1}{z^2 + 4z + 5}$ $x, y, z \in \mathfrak{R}$
4. $|1 - \sqrt{x-2}|(-x^2 + 4x - 3) = 1$ $x \in \mathfrak{R}$
5. $x^4 + 6x^3 + |y^2 - x^2| + 9x^2 = 0$ $x, y \in \mathfrak{R}$
6. $20x + \frac{5}{x} + 36y^2 - 12y - 19 = 0$ $x, y \in \mathfrak{R}^+$
7. Biz. be: $a, b, c, d \in \mathfrak{R}$ és $ad - bc = 1 \Rightarrow a^2 + b^2 + c^2 + d^2 + ab + cd \neq 1$
8. $x + \frac{1}{x} = -z^2 - 6z - 7$ $x, z \in \mathfrak{R}$
9. $\sqrt{x + 2\sqrt{x-1}} + \sqrt{x - 2\sqrt{x-1}} = 2 - y^2$ $x, y \in \mathfrak{R}$
10. $\sqrt{x-2-\sqrt{2x-5}} + \sqrt{x+2-3\sqrt{2x-5}} = \sqrt{2}$ $x \in \mathfrak{R}$
11. $\sqrt{3x-6} + |x+y| = -z^2 + 2z - 1$ $x, y, z \in \mathfrak{R}$
12. $|2x+3| + \sqrt{4z-5} + (3y+z)^2 = 0$
13. $(3 - \sin 6x)(1 + \sin 2x) = 8$