

Equazioni complete di secondo grado

Periodo 2 - UdA 4

Risolvere le seguenti equazioni

[1] $x^2 - x + 1 = 0$

[2] $3x^2 - x - 1 = 0$

[3] $8x^2 + 10x + 3 = 0$

[4] $9x^2 + 3x - 2 = 0$

[5] $6x^2 - 7x + 2 = 0$

[6] $16x^2 + 24x + 9 = 0$

[7] $2x^2 + 5x + 4 = 0$

[8] $x^2 + 5x + 2 = 0$

[9] $5x^2 + 8x + 3 = 0$

[10] $12x^2 - 25x + 12 = 0$

[11] $12x^2 - 5x - 2 = 0$

[12] $x^2 - 4x + 4 = 0$

[13] $25x^2 - 10x + 1 = 0$

[14] $3x^2 - 3x + 1 = 0$

[15] $x^2 - x - 6 = 0$

[16] $2x^2 - 5x - 3 = 0$

SOLUZIONI

Equazioni complete di secondo grado

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[1] *Imposs.*

[2] $\frac{1 \pm \sqrt{13}}{6}$

[3] $-\frac{1}{2}, -\frac{3}{4}$

[4] $\frac{1}{3}, -\frac{2}{3}$

[5] $\frac{2}{3}, \frac{1}{2}$

[6] $-\frac{3}{4}$

[7] *Imposs.*

[8] $\frac{-5 \pm \sqrt{17}}{2}$

[9] $-\frac{3}{5}, -1$

[10] $\frac{4}{3}, \frac{3}{4}$

[11] $\frac{2}{3}, -\frac{1}{4}$

[12] 2

[13] $\frac{1}{5}$

[14] *Imposs.*

[15] $3, -2$

[16] $3, -\frac{1}{2}$