Equazioni di secondo grado

Periodo 2 - UdA 4

Risolvere le seguenti equazioni

[1]	$3x^2 + 4x + 2 = 0$	[2]	$5x^2 + 8x + 3 = 0$	[3]	$25x^2 + 1 = 0$
[4]	$2x^2 + 3x + 2 = 0$	[5]	$3x^2 - 7x + 2 = 0$	[6]	$25x^2 + 10x + 1 = 0$
[7]	$2x^2 - 7x + 4 = 0$	[8]	$9x^2 - 12x + 4 = 0$	[9]	$4x^2 + x - 2 = 0$
[10]	$x^2 + 8x + 16 = 0$	[11]	$8x^2 + 10x - 3 = 0$	[12]	$6x^2 + 5x = 0$
[13]	$6x^2 - 13x + 6 = 0$	[14]	$3x^2 - 5 = 0$	[15]	$9x^2 + 3x - 2 = 0$
[16]	$2x^2 - 3x - 2 = 0$	[17]	$3x^2 - x = 0$	[18]	$x^2 - x + 1 = 0$
[19]	$x^2 + 4x = 0$	[20]	$4x^2 - 9 = 0$	[21]	$x^2 - 7x + 10 = 0$

SOLUZIONI

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[1]	*Imposs.*	[2]	$-\frac{3}{5}\ ,\ -1$	[3]	*Imposs.*
[4]	*Imposs.*	[5]	$2\ ,\ \frac{1}{3}$	[6]	$-\frac{1}{5}$
[7]	$\frac{7\pm\sqrt{17}}{4}$	[8]	$\frac{2}{3}$	[9]	$\frac{-1\pm\sqrt{33}}{8}$
[10]	-4	[11]	$\frac{1}{4}\ ,\ -\frac{3}{2}$	[12]	$0\ ,\ -\frac{5}{6}$
[13]	$\frac{3}{2}\ ,\ \frac{2}{3}$	[14]	$\pm\frac{\sqrt{5}}{\sqrt{3}}$	[15]	$\frac{1}{3}\ ,\ -\frac{2}{3}$
[16]	$2\ ,\ -\frac{1}{2}$	[17]	$\frac{1}{3}\ ,\ 0$	[18]	*Imposs.*
[19]	$0\ ,\ -4$	[20]	$\frac{3}{2}\ ,\ -\frac{3}{2}$	[21]	$5\ ,\ 2$