

Scomposizione di binomi di secondo grado

Periodo 2 - UdA 7

Scomporre (ove possibile) i seguenti binomi di secondo grado

[1]	$100x^2 - 49$	[2]	$4x^2 - 49$	[3]	$81x^2 + 100$	[4]	$64x^2 - 49$
[5]	$x^2 + 25$	[6]	$81x^2 + 1$	[7]	$4x^2 - 9$	[8]	$x^2 - 1$
[9]	$16x^2 - 9$	[10]	$36x^2 - 49$	[11]	$100x^2 - 9$	[12]	$49x^2 + 9$
[13]	$81x^2 - 16$	[14]	$9x^2 - 49$	[15]	$9x^2 - 25$	[16]	$36x^2 + 1$
[17]	$9x^2 + 100$	[18]	$16x^2 + 49$	[19]	$25x^2 - 49$	[20]	$x^2 - 64$
[21]	$49x^2 - 16$	[22]	$100x^2 + 1$	[23]	$25x^2 + 9$	[24]	$16x^2 - 1$
[25]	$x^2 - 36$	[26]	$81x^2 - 4$	[27]	$81x^2 + 64$	[28]	$x^2 + 25$

Scomporre i seguenti binomi dopo averli ordinati e/o eseguito un raccoglimento

[29]	$-x^4 + 49x^2$	[30]	$-7x^2 + 700$	[31]	$16x^5 - 25x^3$
[32]	$49x^4 + 25x^2$	[33]	$16x^3 + 81x$	[34]	$x^2 - 81$
[35]	$-64x^3 - x$	[36]	$16x^3 + 4x$	[37]	$-x^4 - 16x^2$
[38]	$-49x^2 + 4$	[39]	$-49x^5 - 64x^3$	[40]	$75x^2 - 3$
[41]	$2x^3 + 18x$	[42]	$9x^5 + 64x^3$	[43]	$25x^3 + 64x$
[44]	$-4x^5 + 9x^3$	[45]	$-49x^3 - 100x$	[46]	$-64x^2 + 9$
[47]	$9x^4 + 16x^2$	[48]	$50x^4 + 32x^2$	[49]	$-49x^3 + x$
[50]	$-64x^4 + 81x^2$	[51]	$-8x^5 + 50x^3$	[52]	$-49x^5 - 36x^3$
[53]	$25x^3 - 81x$	[54]	$3x^2 - 12$	[55]	$-64x^5 + 25x^3$
[56]	$27x^3 - 3x$	[57]	$100x^4 - 81x^2$	[58]	$-81x^5 - 25x^3$
[59]	$4x^4 + 81x^2$	[60]	$-50x^2 - 8$	[61]	$27x^3 + 12x$

SOLUZIONI

Scomposizione di binomi di secondo grado

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[1] $(10x - 7)(10x + 7)$	[2] $(2x - 7)(2x + 7)$	[3] Non scomp.	[4] $(8x - 7)(8x + 7)$
[5] Non scomp.	[6] Non scomp.	[7] $(2x - 3)(2x + 3)$	[8] $(x - 1)(x + 1)$
[9] $(4x - 3)(4x + 3)$	[10] $(6x - 7)(6x + 7)$	[11] $(10x - 3)(10x + 3)$	[12] Non scomp.
[13] $(9x - 4)(9x + 4)$	[14] $(3x - 7)(3x + 7)$	[15] $(3x - 5)(3x + 5)$	[16] Non scomp.
[17] Non scomp.	[18] Non scomp.	[19] $(5x - 7)(5x + 7)$	[20] $(x - 8)(x + 8)$
[21] $(7x - 4)(7x + 4)$	[22] Non scomp.	[23] Non scomp.	[24] $(4x - 1)(4x + 1)$
[25] $(x - 6)(x + 6)$	[26] $(9x - 2)(9x + 2)$	[27] Non scomp.	[28] Non scomp.
[29] $-x^2(x - 7)(x + 7)$	[30] $-7(x - 10)(x + 10)$	[31] $x^3(4x - 5)(4x + 5)$	
[32] $x^2(49x^2 + 25)$	[33] $x(16x^2 + 81)$	[34] $(x - 9)(x + 9)$	
[35] $-x(64x^2 + 1)$	[36] $4x(4x^2 + 1)$	[37] $-x^2(x^2 + 16)$	
[38] $-(7x - 2)(7x + 2)$	[39] $-x^3(49x^2 + 64)$	[40] $3(5x - 1)(5x + 1)$	
[41] $2x(x^2 + 9)$	[42] $x^3(9x^2 + 64)$	[43] $x(25x^2 + 64)$	
[44] $-x^3(2x - 3)(2x + 3)$	[45] $-x(49x^2 + 100)$	[46] $-(8x - 3)(8x + 3)$	
[47] $x^2(9x^2 + 16)$	[48] $2x^2(25x^2 + 16)$	[49] $-x(7x - 1)(7x + 1)$	
[50] $-x^2(8x - 9)(8x + 9)$	[51] $-2x^3(2x - 5)(2x + 5)$	[52] $-x^3(49x^2 + 36)$	
[53] $x(5x - 9)(5x + 9)$	[54] $3(x - 2)(x + 2)$	[55] $-x^3(8x - 5)(8x + 5)$	
[56] $3x(3x - 1)(3x + 1)$	[57] $x^2(10x - 9)(10x + 9)$	[58] $-x^3(81x^2 + 25)$	
[59] $x^2(4x^2 + 81)$	[60] $-2(25x^2 + 4)$	[61] $3x(9x^2 + 4)$	