

Scomposizione di trinomi monici di secondo grado

Periodo 2 - UdA 7

Scomporre i seguenti trinomi monici di secondo grado

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

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

[25]	$-12x^3 + 9x^2 + 3x^4$	[26]	$-2x^3 + 2x^2 + 12x$
[27]	$12x^3 - x^5 - 4x^4$	[28]	$2x^3 + 8x - 8x^2$
[29]	$6x^3 - x^4 + 7x^2$	[30]	$10 - 5x^2 + 5x$
[31]	$10x^2 + 7x^3 + x^4$	[32]	$-9x - 6x^2 - x^3$
[33]	$x^4 - x^3 - 12x^2$	[34]	$-20x^2 - 18x - 2x^3$
[35]	$-10x - x^2 - 21$	[36]	$-9x^4 - 9x^2 - 18x^3$

SOLUZIONI

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[1] $(x + 1)(x + 2)$	[2] $(x + 1)(x + 3)$	[3] $(x - 1)(x - 4)$
[4] $(x - 1)(x + 3)$	[5] $(x - 1)(x + 4)$	[6] $(x - 2)(x - 3)$
[7] $(x + 2)(x + 4)$	[8] $(x + 2)^2$	[9] $(x - 1)^2$
[10] $(x + 3)(x + 4)$	[11] $(x - 2)(x - 5)$	[12] $(x - 2)(x + 3)$
[13] $(x + 2)(x - 4)$	[14] $(x - 3)(x + 4)$	[15] $(x + 3)(x + 5)$
[16] $(x + 4)(x + 5)$	[17] $(x - 2)(x + 5)$	[18] $(x + 3)(x - 5)$
[19] $(x - 3)^2$	[20] $(x - 4)^2$	[21] $(x - 1)(x + 2)$
[22] $(x + 5)^2$	[23] $(x + 4)(x - 5)$	[24] $(x + 1)(x - 3)$
[25] $3x^2(x - 1)(x - 3)$	[26] $-2x(x - 3)(x + 2)$	
[27] $-x^3(x + 6)(x - 2)$	[28] $2x(x - 2)^2$	
[29] $-x^2(x - 7)(x + 1)$	[30] $-5(x - 2)(x + 1)$	
[31] $x^2(x + 2)(x + 5)$	[32] $-x(x + 3)^2$	
[33] $x^2(x + 3)(x - 4)$	[34] $-2x(x + 1)(x + 9)$	
[35] $-(x + 7)(x + 3)$	[36] $-9x^2(x + 1)^2$	