somma algebrica di polinomi				
1	$(3-a+a^2)+(3+2a-2a^2)$	$-a^2 + a + 6$		
2	$(3-a+a^2)-(3+2a-2a^2)$	$-3a + 3a^2$		
3	$-(3-a+a^2)+(3+2a-2a^2)$	$3a - 3a^2$		
4	$-(3-a+a^2)-(3+2a-2a^2)$	$-6-a+a^2$		
5	$\left(2x^3 - \frac{8}{3}x^2 + \frac{1}{4}x + 1\right) - \left(\frac{1}{5}x^3 - \frac{5}{2}x^2 + x + 1\right)$	$\frac{9}{5}x^3 - \frac{1}{6}x^2 - \frac{3}{4}x$		
6	$(3x^2b^3 + 7x^2 - b^2) - (+8x^2 - 4x^2b^3 + b^2)$	$7x^2b^3 - x^2 - 2b^2$		
7	$\left(\frac{3}{4}mn - n^3 + \frac{1}{4}an^3\right) - \left(\frac{1}{4}mn - \frac{1}{2}an^3\right)$	$\frac{1}{2}mn - n^3 + \frac{3}{4}an^3$		
8	$\left(\frac{1}{3}a^2 + a - 5\right) + \left(\frac{2}{3}a^2 - a\right) - (a^2 - 3a + 1)$	3a - 6		
9	[2x - (a - b)] + (3a + b) - (2a + 3b)	2x - b		
10	$-\frac{2}{3}a - \left\{ -\left[\frac{1}{2}b - \left(2a - \frac{1}{6}\right)\right] + b - \frac{1}{3}a \right\}$	$\frac{1}{6} - \frac{7}{3}a - \frac{1}{2}b$		
11	$(0,\overline{6}m^2-m)-(m^2-3m+1)-\left(\frac{1}{3}m^2+m-5\right)$	$4 + m - \frac{2}{3}m^2$		
12	$(x^2 - x + 1) - (3x^2 + 2) - (5 - 2x^2)$	-x - 6		
13	$[-(a^{2}b^{2}c + 3ab^{2}c) + (7ab^{2}c + 8a^{2}b^{3}c) + a^{2}b^{2}c] - 3a^{2}b^{3}c + -(-ab^{2}c + 5a^{2}bc)$	$5ab^2c - 5a^2bc + 5a^2b^3c$		
prodotto di un polinomio per un monomio				
14	$(2x^2 + 3ax - b^2) \cdot (-4ab)$	$-8abx^2 - 12a^2bx + 4ab^3$		
15	$(a^2 - 3x + 2) \cdot 3x$	$3a^2x - 9x^2 + 6x$		

Algebra	Operazioni	con i	polinomi

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16	$\frac{1}{2}b^2x^3\cdot(-2x+4b-6x^2+8b^2)$	$-b^2x^4 + 2b^3x^3 - 3b^2x^5 + 4b^4x^3$
17	$-0.5xy \cdot (xy + 4x^2y + 4xy^2 - 0, \overline{6}x^2y^2)$	$-\frac{1}{2}x^2y^2 - 2x^3y^2 - 2x^2y^3 + \frac{1}{3}x^3y^3$
18	$3mn \cdot (0, \overline{6}m^2n + 0, 2mn - m^2n^2)$	$2m^3n^2 + \frac{3}{5}m^2n^2 - 3m^3n^3$
19	$\left(-\frac{2}{3}m^2n + 0, \overline{3}m^2n^2 - \frac{2}{3}mn^2t^2\right) \cdot (3m^2n^2t^3)$	$-2m^4n^3t^3 + m^4n^4t^3 - 2m^3n^4t^5$
20	$\left(-3xy + 4xy^2 - \frac{2}{3}x^2y\right) \cdot \left(-\frac{1}{2}xy\right)$	$\frac{3}{2}x^2y^2 - 2x^2y^3 + \frac{1}{3}x^3y^2$
21	$2b^2x^3 \cdot (0.5b + 0.25x - 0.1\overline{6}x^2 - 0.125b^2)$	$b^3x^3 + \frac{1}{2}b^2x^4 - \frac{1}{3}b^2x^5 - \frac{1}{4}b^4x^3$
22	$7a^{2}b^{2}\left(-\frac{4}{7}b+\frac{5}{7}a\right)+(-a^{2}b)(5ab-4b^{2}+8a^{2})$	$-8a^4b$
23	$\left(mn + 5n^2 - \frac{1}{3}mn^3\right)(3m^2n) - \left(\frac{1}{5}m - n - mn\right) \cdot 15m^2n^2$	$15m^3n^3 - m^3n^4 + 30m^2n^3$
24	$a^{2} \cdot (2a - 3b) \cdot 5b - \frac{1}{2} \cdot (ab - 4b^{2}) \cdot a^{2} - \left(-\frac{1}{2}a^{3}b\right)$	$10a^3b - 13a^2b^2$
25	$\frac{x^2}{2}(x-y+1) - \frac{2}{3}x(-x^2+x) - x^2(y-3) - \frac{23}{6}x^2$	$\frac{7}{6}x^3 - x^2 - \frac{3}{2}x^2y$
26	$xy(x^2 - y^3) - (2xy^2 + x)x^2y + (x^2 - 2y)\left(-\frac{xy^3}{2}\right)$	$-\frac{5}{2}x^3y^3$
27	$\left[2(x^{2} - 3xy) + \left(\frac{1}{2}x - 3y\right) \cdot 2x - (3x - 6y) \cdot \frac{1}{3}x\right] \cdot \frac{1}{2}x$	$x^3 - 5x^2y$
28	$\left[\frac{1}{3}a^{2}\left(\frac{4}{3}a - b\right) - \frac{1}{4}a(a^{2} - 2ab)\right]\left(-\frac{3}{4}ab\right) - b^{2}\left(\frac{1}{24}a^{3} - a^{2}b\right) + \frac{1}{3}ab\left(a^{3} + \frac{1}{2}a^{2}b\right)$	$\frac{3}{16}a^4b + a^2b^3$
29	$x^{2} - xy(y - z) - \frac{x}{2}(yz + x - 6) - 3x - \frac{1}{2}xyz$	$\frac{1}{2}x^2 - xy^2$

Algebro	Operazioni con i polinomi	PASSED
30	$(2+x)\left\{-\left[2xy\left(\frac{1}{2}x-\frac{3}{4}y\right)\right]+x^2y\right\}^2-9x^2y^4\left(\frac{1}{4}x+\frac{1}{2}\right)$	0
31	$a\left\{a^{3}-\left[\left(-4a^{2}+5b^{2}+2ab\right)\cdot\left(-a\right)+\left(\frac{5}{2}b+a\right)\cdot2ab\right]\right\}$	$-3a^4$
32	$\left\{x^{2} - \left[3y\left(x - \frac{y}{9}\right) - \frac{2}{3}x\left(y - \frac{3}{4}x\right)\right]\right\} \cdot \left(-\frac{2}{3}x\right) - \frac{1}{9}x(-2xy + 2y^{2} - 3x^{2})$	$\frac{16}{9}x^2y - \frac{4}{9}xy^2$
33	$a^{2}\left(a+\frac{1}{3}\right)+\left(-\frac{3}{5}a-\frac{3}{2}a^{2}+\frac{1}{5}a^{3}\right)\left(\frac{5}{9}a\right)+\frac{1}{3}\left(a+\frac{1}{9}a^{4}\right)-\frac{4}{27}a^{4}-2a\left(a^{2}+\frac{1}{6}\right)$	$-\frac{11}{6}a^3$
34	$\left[(-5a^2 + 2b^2)ab + \left(\frac{5}{2}a^2b - b^3\right) \cdot (2a) \right]^0$	perde di significato perché?
35	$(y-x-2)(-y) + 2(-2y) + (x-2y+3)(\frac{1}{2}x) + 2y(1+y) - \frac{1}{4}x(2+2x)$	$x + y^2$
36	$(x^2 + 1) \cdot 2x^2 - 3x^2 \cdot (x^2 - x + 1) - (-x^3 + x^2 - x) \cdot x$	$2x^3$
37	$x^{2}y^{2} + \left[xy\left(\frac{x}{2} + \frac{3}{2}y + 1\right) - x\left(xy + \frac{3}{2}y^{2} + y\right)\right]^{2}xy - \frac{1}{4}x^{5}y^{3}$	x^2y^2
	prodotto di polinomi	
38	(2-a)(a+3)	$-a^2 - a + 6$
39	(x+3)(x-4)	$x^2 - x - 12$
40	(2m-1)(m-2)	$2m^2 - 5m + 2$
41	$\left(a+\frac{1}{2}\right)(2b-6)$	2ab - 6a + b - 3
42	$(2a^2+b^3)(a^3+2b^2)$	$2a^5 + 4a^2b^2 + a^3b^3 + 2b^5$
43	$\left(x - \frac{1}{3}\right)(3y - 6)$	3xy - 6x - y + 2

Algebro	Operazioni con i polinomi	PASSED
44	(a-2)(a+2)	$a^{2}-4$
45	(a+b+c)(a+b-c)	$a^2 + 2ab + b^2 - c^2$
46	$(x-y)(x^2+xy+y^2)$	x^3-y^3
47	$(a+b)(a^2-ab+b^2)$	$a^3 + b^3$
48	(5a - b + 3c)(5a + b - 3c)	$25a^2 - b^2 + 6bc - 9c^2$
49	(x+1)(x-2)(x+3)	$x^3 + 2x^2 - 5x - 6$
50	$(a+b)(a^2-ab+b^2)(a^3-b^3)$	$a^6 - b^6$
51	$(1-a)(1+a+a^2)(1+a^3+a^6)$	$1 - a^9$
52	(a-2)(a+2)	$a^{2}-4$
53	$(m+3)(m+2)(m+1) - (m-3)(m-2)(m-1) - 6(m^2+2)$	$6m^2$
54	$(3b - a^2)(a^3 - 4b^3) - (3b - a^2)(a^3 + 2b^3) - 6b(b^3 + a^2b^2)$	$-24b^{4}$
55	$3x^{2}(3+x^{2}) - (x^{2}-1)(x^{2}-2) - 2[(x^{2}+1)(x^{2}+2) - 3]$	$6x^2$
56	$(1+x-x^3)(5+x^3)-(1-x^2)(1+x+x^2)(1-x+x^2)-4(1-x^3)-5x(1-x^3)$	$6x^4$
57	$2(3x+1)(2x-1) - 2(6x+1)(x+2) + (-3x)^2 - 5(4x+1)$	$9x^2 - 48x - 11$

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58	$(3+m)(1-m)(m+2) + (m^2-2m+1)(m+3)$	$-3m^2 - 6m + 9$		
59	$5a(a^2x) - ax^2(-14a - 9x) + (0, \overline{3}a + 0,6x)(a + x)(-15ax)$	0		
60	$(a+2)\left\{ \left[6a^{2}b - 3ab\left(2a - \frac{1}{3}b \right) + b^{2} \right] \right\} \cdot b^{2} - 3ab^{3}\left(\frac{1}{3}ab + b \right)$	$2b^4$		
61	$\left[\left(\frac{3}{2}ab^2 - 0.2a^2b \right) \left(2a + \frac{20}{3}b \right) - (10b^2 - 0.4a^2)ab + \frac{4}{3}a^2b^2 \right]^2$	$9a^4b^4$		
	divisione di un polinomio per un monomio			
62	$(12a^4y^5 - 4a^3y^2 + 8ay^4)$: $(-4ay^2)$	$-3a^3y^3 + a^2 - 2y^2$		
63	$(8x^2y^3 - 6xy^2 + 4xy): (-2xy)$	$-4xy^2 + 3y - 2$		
64	$\left(\frac{6}{5}m^2 - \frac{7}{3}m^3 + 4m^5 - \frac{1}{2}m^6\right):\left(\frac{3}{2}m^2\right)$	$-\frac{1}{3}m^4 + \frac{8}{3}m^3 - \frac{14}{9}m\frac{4}{5}$		
65	$\left(\frac{3}{2}p^{6}q - 6p^{5}q - 4p^{3}pq^{4} + \frac{5}{6}p^{5}q^{2} - \frac{3}{8}p^{3}q^{3}\right): \left(\frac{1}{4}p^{3}q\right)$	$6p^3 - 24p^2 - 16pq^3 + \frac{10}{3}p^2q - \frac{3}{2}q^2$		
66	$[(2x+z^2)(x^3z-z^2):z+z^3]:x-2x(x^3+z)-z(x^2z-2-2x)$	$2x^3 - 2x^4$		
67	${(x+y)[(x+y)+(x-y)]-2xy}:[(-2)(-x)^2]$	-1		
68	$[(1-a)(1+a+a^2)(1+a^3)-1]:(-a)^5$	а		
69	$\left\{2a^{4}\left[b\left(\frac{1}{8}b+a\right)+16a\left(\frac{1}{8}a-\frac{1}{16}b\right)\right]:a^{2}+a^{2}\left(a^{2}-\frac{1}{4}b^{2}\right)\right\}:(-5a^{4})$	-1		
70	$\left\{ \left[\left(2m^2n^3 - \frac{1}{4}m^5 \right) (-8m) + 2(1+2mn)(1-2mn+4m^2n^2) \right] : 2 \right\} : \frac{1}{2}$	$2m^6 + 2$		

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