PRODOTTI NOTEVOLI

ESPRESSIONI

1. $(a-b)^2 - (a-2b)^2 + (a-b)(a+2b) =$

2. $(x-2y)^2 + (x-3y)(x+3y) - (x+2y)(x-3y) =$

3. $(a-1)^2 + (2a-1)(2a+1) - (-2a+1)(-2a-1) + 2a =$

4. $\left(2a - \dfrac{1}{2}\right)\left(2a + \dfrac{1}{2}\right) + \left(1 - \dfrac{1}{2}a\right)^2 - \left(\dfrac{a}{2} - 2\right)\left(\dfrac{a}{2} + 2\right) + a =$

5. $(2a-x)(2a+x) + (a-2x)^2 - (x-2a)^2 =$

6. $(2a^2 - 1)(a+1) + (3a+2)(2-3a) - 2a^3 + 7a(a-1) =$

7. $4(a+b)^2 + (-2a+b)^2 - b^2 - (a+2b)^2 =$

8. $(2+a-b)(2-a+b) + (a-b)^2 =$

9. $(x+y+z)^2 + (x-y)^2 + (y-z)^2 + (z-x)^2 =$

10. $(a-2b)^2 (a+2b)^2 - (a^2 - ab - b^2)(a^2 - ab + b^2) + (-3ab)^2 =$

11. $(x+2y)^3 - (x-2y)^3 - 3y(-2x)^2 =$

12. $(a^2 - 1)(a^2 + 1)(a^2 + 2) - (a^2 - 1)^3 - (2a^2 - 1)^2 =$

13. $(a+b+c)(a+b-c) - (a-b+c)(b+c-a) + (a+b+c)^2 =$

14. $(-x+y+z+t)(x-y+z+t) + (x+y-z+t)(x+y+z-t) =$

15. $(a-b)^3 + 3(a-b)^2(a+b) + 3(a-b)(a+b)^2 + (a+b)^3 =$

16. $3(x-y)^2(x+y) + 3(x+y)^2(y-x) - 6y(x+y)(-x+y)$

17. $[x^2 + 2(x-1)]^2 - 4x^2(x-1) - [2(x-1)]^2 - (x^2 - 1)^2 =$

18. $(a^2 - 2a)^3 + a(2a^2 + 3a)^2 - 2a^3\left(2a - \dfrac{1}{2}\right)^2 - a^4(a+2)(a-12) =$

19. $\left\{\left[2a^2 - \left(a - \dfrac{1}{2}b\right)\left(a + \dfrac{1}{2}b\right)\right]^2 - \dfrac{1}{16}b^4\right\}^2 - \left[\dfrac{1}{2}a^2(2a^2 + b^2)\right]^2 =$

20. $\left(y - \dfrac{1}{2}x\right)^3 - \left(-\dfrac{1}{2}x - y\right)^3 - 6\left[y\left(\dfrac{1}{2}x - y\right)^2 + x(-y)^2\right] =$

21. $5b\left(1 + \dfrac{1}{4}b\right) + (b^2 + b - 1)^2 - (b+1)^3 - b^2\left(b + \dfrac{1}{2}\right) =$

22. $3a^2 b^2 - (a^2 - 3b^2)^2 - b^2\left(2a - \dfrac{1}{4}b\right)^2 + \left[\left(a - \dfrac{1}{2}b\right)\left(a + \dfrac{1}{2}b\right)\right]^2 =$

23. $\{[(x+3a)(x+2a) - (x-3a)^2] : (-3a)\}^2 - a(a-7x) =$

24. $[a^2(a-1) - a(a^2 + 1)]^2 - a^2(a+1)^2 + \left(-\dfrac{1}{2}a\right)^3 =$