



Espressioni con i prodotti notevoli

1. $(x + 1)(x - 1) + 1 =$ $[x^2]$
2. $(a + 1)^2 - 2a =$ $[a^2 + 1]$
3. $(b + 1)^2 - (+2b)^2 - 1 =$ $[-3b^2 + 2b]$
4. $(y + 4)(y - 4) - 4(y - 4) =$ $[y^2 - 4y]$
5. $(x + 3)(x - 3) - 2x^2 =$ $[-x^2 - 9]$
6. $(x - 1)(x + 1) + (x + 1)^2 =$ $[2x^2 + 2x]$
7. $(2a + 1)^2 + (a - 2)^2 =$ $[5a^2 + 5]$
8. $x^4(x - 1) + (x^2 + 2)(x^2 - 2) =$ $[x^5 - 4]$
9. $(a + b + 1)^2 - 2(ab + b + a) =$ $[a^2 + b^2 + 1]$
10. $(xy + 5)(xy - 5) - (xy + 2)^2 =$ $[-4xy - 29]$
11. $(a + 1)^3 - 3a(a + 1) - 1 =$ $[a^3]$
12. $(xy + 2)(xy - 2) - (x + 2)(x - 2) =$ $[x^2y^2 - x^2]$
13. $(a^3 + a): a - (a - 1)(a + 1) =$ $[2]$
14. $(x - 2)^3 - (x^5 - 5x^4 + 12x^3): x^2 =$ $[-x^2 - 8]$
15. $(ab + 2)^2 - ab(ab - 1) + 5ab =$ $[10ab + 4]$
16. $(x^2 - y + 1)^2 - (2x + x^3 - 2xy)x =$ $[y^2 + 1 - 2y]$
17. $(a - 2)^2 - (a + 1 - 2b)^2 + 4b(b - 1) =$ $[-6a + 3 + 4ab]$
18. $(x^2 - 1)^3 - (x^3 + 3)(x^3 - 3) - 3x^2 =$ $[-3x^4 + 8]$
19. $-(3 + a^2)(3 - a^2) - (a^2 - 2b - 3)^2 + 18 + 12b =$ $[-4b^2 + 4a^2b + 6a^2]$
20. $(x + 1)(x - 1) + (x + 1)^2 - (x + 2)(x - 2) =$ $[x^2 + 2x + 4]$