

## ESPRESSIONI CON POLINOMI

### MOLTIPLICAZIONE DI POLINOMI

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

2.  $(a - b)(2a - b) =$

3.  $(1 + x)(x^2 - 4) =$

4.  $(x^2 + x + 1)(3x - 1) =$

5.  $(3a^2 + 2a + 4)(a^2 - 1) =$

6.  $(1 + 3a + 8a^2 - a^3)(3a - 1) =$

7.  $\left(\frac{1}{2}x^2 - \frac{4}{3}xy + \frac{1}{3}y^2\right)(6x^2 - 9xy + 6y^2) =$

8.  $(a^3 + a^2 - 4a + 1)(3a^2 - a + 4) =$

9.  $(2 + x - x^2 + 3x^3)(x^2 + 7x - 1) =$

10.  $(2 + 3a + 4a^2 - 25a^3)(-2a^2 + 3a - 1) =$

11.  $(4x^2m - 5xm^2 - 4x^3 + 3m^3)(2x - 3m) =$

12.  $(-4x^4 + 2x^2 - 7xy + y^2)(-xy + 3y^3) =$

13.  $(a^2 - a + 2)(3a^2 - 5a - 1) =$

14.  $(a^4 + a^3 - 4a^2 - 7a + 1)(-a^3 + 5a^2 + a - 1) =$

15.  $(x^3 + 5x^2 + 4x + 1)(2x^3 - x^2 + 7x - 1) =$

16.  $(3a^2 - 4a + 5)(2a - 3) + 5a^2(-3a + 1) =$

17.  $(3a - 4)(2a + 5) + (3a - 2)(2a + 1) =$

18.  $(x^2 - 3x + 2)(x - 1) - (3x - 2)(x^2 - 5x + 2) =$

19.  $[3x^2 + (4x - 1)(x + 1)](2x + 3) =$

20.  $[x(x - 3) - 1][x^2 - 5(x + 1)] + 3x(x^3 - 5) =$

21.  $[3a^2b - 2a^3 + (ab^2 - 7a^2b) - (2a^3 - 4ab^2)](-2a + 3a^3) =$

22.  $[-2x(x - 2y) + (2x - y)(2 - 3x)]\left[\frac{1}{3}y(x - y) - \frac{4}{3}xy\right] =$